POINT RUSTON

5219 N. SHIRLEY ST. SUITE 100 RUSTON, WA 98407

June 15, 2013

Mr. Kevin L. Rochlin Remedial Project Manager U.S. Environmental Protection Agency Region 10 1200 Sixth Avenue, ECL-111 Seattle, WA 98101

RE:

Monthly Report: No. 204, May 2013

Operable Unit No. 02 - Asarco Tacoma Smelter Site

Dear Mr. Rochlin:

Point Ruston is submitting this monthly report per the requirements of paragraph 48 of the Consent Decree for the above referenced site. The report is organized to follow item (a) through (g) of this paragraph.

If you have any questions, please call me at (253) 752-2185, extension 236.

Sincerely,

Loren Cohen

Manager of Legal Affairs

Attachment (2 copies)

cc:

Peter Striplin - Washington Department of Ecology

Evan Griffiths - CH2MHill (2 copies)

Leslie Ann Rose - Citizens for a Healthy Bay

Mike Oelrich – Hydrometrics, Inc.

- a) Actions taken to achieve compliance with the Consent Decree during the previous month.
 - 1. Point Ruston personnel and its contractors hosted numerous meetings and conversations with EPA over the month of May, along with many electronic communications related to varying aspects of the project. Point Ruston and EPA conducted in-person Coordination Meetings, which included representatives of Point Ruston, EPA, State of Washington Department of Ecology and Citizens for a Healthy Bay on May 3rd and May 23rd. Work continued on many various RA tasks, including work associated with the following projects:
 - ▶ Phase 1 CMP final RA and O&M
 - ➤ Waterwalk CMP O&M
 - ➤ Temporary Cap & Storm Water Management Plan O&M
 - > Sequence of Development Plan & Occupancy Plan
 - Occupancy Air Monitoring Plan Daily air monitoring and reporting
 - ➤ Long Term OMMP
 - Metro Parks Peninsula Park CMP
 - 2. On May 10th EPA approved residential occupancy of the Copperline Apartments building. Approval was based on EPA's final approval of the Final Construction Report Phase 1 Remedial Action, Phase 1 Occupancy Plan, Development and Occupancy Plan and the Temporary Impermeable Cap and Stormwater Plan.
 - 3. Point Ruston extended its agreement with Hydrometrics, Inc. for another year on May 13th, which ensures that the site will continue to have high-level environmental engineers acting as the Remedial Design Professional for the project, as well as continuing to perform QA/QC oversight and review of ongoing work, along with continued design and coordination with EPA. Hydrometrics' vast site-specific knowledge has served this project well.
 - 4. On Friday May 22nd the federal government ordered EPA employees to take a furlough day. EPA requested that no RA work be conducted on site during this day, and Point Ruston obliged by this request.
 - 5. Point Ruston continued to conduct on-site and off-site Air Monitoring per the approved air monitoring plan under the CH&SP. The daily TSP results were sent to EPA. New elements of the air monitoring plan have been implemented under the SDOP as part of the residential occupancy of the Copperline Apartments building, Phase 1. Point Ruston has installed additional hi-

volume air monitors as well as additional real-time "e-sampler" TSP monitors, which are positioned on site in the locations depicted on the site plan contained in the Air Monitoring Plan.

- 6. Point Ruston and its contractors continue to finalize the upper floors of the Copperline Apartments building, and is working with the City of Tacoma building department to fully complete this building. Point Ruston, through its independent environmental engineering firm Hydrometrics, has submitted a proposed material ("Pene-Krete"), which is a crystalline concrete sealer to be used as a sealant over the concrete flatwork associated with the concrete sidewalks surrounding the building in order to ensure that the hydraulic conductivity of this flatwork meets the performance standards prescribed under the site wide remedy. This material is tentatively schedule to be applied in June.
- 7. With EPA approval, Point Ruston has opened the Waterwalk for public access and use to and through the site, but for the remaining 116 lineal feet. This area of the Waterwalk is integrated into the work associated with the Peninsula Park CMP, which adjoins the Waterwalk to the west. Point Ruston continues to conduct 2-3 inspections of the Waterwalk per week, and 1 thorough inspection per week. Small amounts of slag rocks continue to be removed from the shoreline armoring bedding stone, which will likely continue to occur into the future.
- 8. Point Ruston continues to conduct daily inspections and maintenance on the TIC, and in May
- 9. Point Ruston continues to implement work under the Peninsula Park CMP, with nearly ¾ of the peninsula under final HDPE/GCL cap as designed under the EPA approved site-wide grade and cap remedial design. This capping is scheduled to be completed in June, with the ancillary components of this project including the extension of the permanent cap associated with the Yacht Club Road/Drive and its associated utility corridors –scheduled to be completed throughout the summer.
- 10. Point Ruston has completed the as-built reports associated with the MICMP and will be submitting the Final Construction Report for the MICMP to EPA sometime in June.
- 11. Point Ruston continued to perform all site maintenance and monitoring, including all requirements under the Site Wide Construction Health and Safety Plan, as well as implementation of the OCF OMMP plan, including collection, sampling and contracting for the hauling of the leachate. O&M

also included maintaining clean work areas and roads, as well as fencing and CRZ connections between the site area and phases. and O&M inspection reports conducted weekly and data is included in the site-inspection reports (see attached).

- 12. Point Ruston conducted training activities for site visitors and workers, including the following:
 - ➤ Site Safety Orientations (Clean Zone) were held for:
 - i. Eighty eight (88) site visitors and personnel of various companies
 - ➤ HAZWOPER annual retraining was verified or completed by personnel of the following companies:
 - i. One (1) NW Linings employee
 - ii. Two (2) Hydrometrics employees
- b) Summary of sampling, tests and all other data received or generated by Point Ruston in the previous month.
 - 1. Storm water outfall sampling, data and related activities include the following:

Section 2.3 of the Final Statement of Work (SOW) for Remedial Design and Remedial Action – Exhibit F to the Second Amendment requires Point Ruston to continue outfall monitoring. Outfalls will be monitored to determine if the monthly average surface water outfall concentrations for arsenic, copper and zinc exceed 0.5 ppm at the North and South site outfalls until they are abandoned. The South outfall was abandoned on February 15th, 2013.

Weekly composite samples will be collected at each outfall during the construction season. During the winter season, outfall samples will be collected every other month. Asarco began the following schedule in May of 2003, which Point Ruston will continue to implement: weekly composite samples will be collected from April-October, and in December and February.

In addition to the North Outfall, Point Ruston monitors an existing upland station southwest of the Grand Avenue & Ruston Way roundabout. This monitoring station is designated OSW2. Samples were collected by Point Ruston from the outfall locations on May 6th, 13th, 20th, 28th and June 3rd. Results from samples collected are attached. There were no exceedances.

2. OCF leachate sampling, data, disposal and related activities include the following:

Point Ruston collects OCF leachate in a 5,000-gallon polyethylene tank for offsite shipment and disposal. The OCF OMMP requires inspections to correspond with monthly, quarterly, or semi-annual reporting intervals as specified by the Response Action Plan. However, Point Ruston inspects LCRS and LDCRS volumes daily. LCRS volumes currently average approximately 95 gallons per day. Point Ruston currently ships 4,700-5,000 gallons approximately every 50 days. Point Ruston shipped 4,879 gallons of leachate (4.8 mg/L arsenic) on May 31st. Sample results are attached.

3. Air Monitoring, sampling, data and related activities include the following:

Point Ruston performs perimeter (off-site) air monitoring for arsenic and lead analysis at two locations: NW corner of OCF and south ridge of OCF (vault #1). Point Ruston also performs occupancy (on-site) air monitoring for arsenic and lead analysis at three additional locations: Lot 4B (nursery), Lot 1A and Lot 14. Results for samples collected April 29th through May 31st are attached. There were no exceedances.

Point Ruston performs monitoring for total suspended particulates (TSP) with a 24-hour daily average trigger level of 81 µg/m³. A long-term dust monitoring network consisting of three (3) real-time dust monitors was installed on March 15, 2013. Currently the TSP e-sampling stations are installed in the following locations: Lot 1A (paired with Hi-Vol), Lot 12 and Lot 15A. The TSP monitors transmit 5-minute average TSP readings to a host computer that logs and calculates the data into 60-minute averages. If 60minute averages exceed the trigger level the host computer will generate an email and/or text notification to designated personnel who will investigate and take appropriate action. Air monitoring details, including corrective actions, are found in Appendix A of the Development and Occupancy Plan. TSP data On May 16th fog caused TSP readings to is evaluated and recorded daily. exceed the trigger level and corrective actions were not required. (See attached memo).

A fourth real-time air monitor, which is not connected to the monitoring network but is manually checked daily for its TSP readings, is utilized on a temporary basis, and is currently positioned near the boundary of Lots 16 and 17. TSP data is compared with the data collected by the network. This station will become permanently connected into the network as part of the occupancy plan under the Peninsula Park CMP.

Point Ruston performs personal air monitoring in accordance with WAC 296-848-20060(1) & WAC 296-155-17609(1) (a) to determine if the airborne concentrations of arsenic and lead exceed the PEL. Personal air monitoring (Exposure Evaluations) was not required in May.

4. Methane gas monitoring sampling, data and related activities include the following:

Point Ruston performs subsurface methane gas monitoring pursuant to the EPA approved "Building 2B Sampling & Analysis Plan – Subsurface Gas Monitoring Activities" plan. In 2009 a passive gas extraction system was installed in conjunction with the 2B-West building foundation. Four (4) vent pipes were roughed-in through the floor slab. Sampling at these locations has been ongoing, pursuant to ASTM E2600. The Gas Monitoring Data Log and field worksheet for the month of May are attached. No methane has been detected to date. Methane monitoring of the passive extraction system will continue.

5. Miscellaneous soil sampling, data and related activities include the following:

Point Ruston performs miscellaneous on-site soil sampling related to its various ongoing RA work and development. Analysis results are attached.

- Confirmation sampling was conducted on May 28th from the Metro Parks borrow soils source area (Surface samples)
- Confirmation sampling was conducted on May 30th from the partially completed post-cap remediation area on the Breakwater Peninsula prior to hydro seeding.
- c) Work Plans and other deliverables completed and submitted during the previous month.
 - 1. Plans and Documents included the following:

Temporary Cap Plan & Site-Wide Storm Water Plan

EPA issued condition approval of the TIC Plan on April 22nd. On April 25th Point Ruston submitted the final TIC Plan to EPA in response to the conditions contained in the approval. This TIC has been fully installed, but for the area over Lot 14.

Construction Health & Safety Plan v.6 (CH&SP)

Point Ruston submitted an updated version 6 of the CH&SP and has implemented this plan as the active CH&SP for the site. Per a conversation with EPA comments will be forthcoming.

Waterwalk CMP

O&M is on-going, RA work is complete. EPA approved the Waterwalk Public Access and Use Plan on April 13th. Point Ruston is awaiting final approval of the Construction Report for the RA constructed under the Waterwalk CMP.

Phase 1 Construction Management Plan (CMP)

As noted above, EPA approved the Final Construction Report for the Phase 1 CMP (Copperline Apartments) area on May 10th.

Master Infrastructure CMP (MICMP)

Construction of the MICMP is substantially complete and plans to submit the Final Construction Report in June now that final as-built drawings have been approved by the local municipal agencies.

Ruston Way CH&SP Plan

Completed and submitted to EPA for Ruston Way opening; approved, and roadway opened on 6/29/12. EPA granted formal, written approval of the plan on 12/18/2012.

Sequence of Development and Occupancy Plan (SDOP)

EPA approved the SDOP (including formally approving the Air Monitoring Plan) on April 12th, and Point Ruston has subsequently implemented all applicable aspects of this plan.

Operations Maintenance and Monitoring Plan (OMMP)

The OMMP was re-submitted to EPA on May 10th, 2013, which incorporated the final comments from EPA. Point Ruston is awaiting EPA's final approval.

CC&Rs

On May 22nd EPA requested Point Ruston resubmit the environmental CC&R document, which had originally been submitted to EPA on January 29th, 2013. Point Ruston resubmitted the document and is awaiting final approval.

Biological Assessment South Outfall Construction (Edwards Street)/ BA South Outfall Flow (Edwards Street)

This work was completed and the construction report will be included as part of the Final Construction Report for the MICMP.

BA Shoreline Stabilization RA

Post-inspection completion report has been drafted and will be submitted to EPA following final armoring conducted as part of the MICMP.

Sediment Capping RA

The RA work associated with this project was completed and the Final Construction Report was approved by EPA on April 12, 2013. In its approval letter EPA stated that its certification of completion for this work will be issued at a later date along with DNR's Consent Decree; however, in subsequent conversations Point Ruston has requested that the certification of completion be issued now in order to expedite other aspects of its agreement with DNR, which are contingent upon issuance of the certification of completion.

Peninsula Park CMP

Point Ruston has discussed the revised CMP with EPA, as well as the process to incorporate the City of Ruston's substantive comments into the CMP. EPA plans to coordinate the applicable municipal comments into its final conditions of approval and ensure that the City submits its comments directly to EPA in order to ensure no excessive costs or delays are due to untimely local permit reviews and process.

2. Remedial Action included the following tasks:

OCF construction activities:

Maintained leachate collection system; inspected storm drain system, vaults and cover; maintained the temporary storage area, related to site-wide grading and Temporary Cap construction. Point Ruston agreed with the Town of Ruston to move the materials and equipment away from the street frontage of The Commencement apartment building. The relocation continues and has also involved communicating with the single family property owners that front the OCF along Bennett Street to ensure that they are not being impacted.

Stack Hill construction activities:

The lots and final cover of clean soil continue to be maintained.

Phase 1 CMP construction activities:

All RA activities are complete, and O&M of the RA components is on-going.

Waterwalk CMP construction activities:

Point Ruston completed construction of the RA components of the Waterwalk CMP, but for the remaining 116 ft. on the western-end of the project next to the Metro Parks Peninsula property. This area will be completed in conjunction with the work associated with the Peninsula Park CMP. A construction inspection was conducted with Point Ruston and EPA and the Final Construction Report will be submitted. The Waterwalk is open and publicly accessible across approximately 75% of the site's shoreline.

Temporary Impervious Cap and Construction Storm Water Management Plan construction activities:

Implement the cap in conjunction with the opening and use plan for the Waterwalk, and work westward across the site to implement the temporary cap; the TIC has been completed, but the Lot 14 area, which will be completed as part of the Peninsula Park CMP work (with the trench spoils from this work being placed below the Lot 14 TIC).

Peninsula Park CMP

Point Ruston continues to cap the peninsula, which is approximately 75% covered.

Site-wide remediation/redevelopment activities:

- Continued surface water controls
- Maintained onsite haul roads and stockpiles
- Maintained erosion and surface water controls; Inspected and repaired silt fence and exclusion zone fencing.
- Continued site-wide dust monitoring and control through site and access road watering, as needed.
- Maintained air-monitoring program per CH&SP requirements
- Continued to maintain Ruston Way Construction Health and Safety protocols, including air monitoring, dust suppression, buffer zone maintenance, fencing and signage.

d) Actions scheduled for the next six weeks.

1. Continue to work with DNR and EPA to ensure finalization of the Consent Decree between the agencies is accomplished in accordance with the terms of the Point Ruston/DNR settlement agreement, as well as working with EPA to ensure that a Certification of Completion is issued for this work.

- 2. Point Ruston to maintain the Ruston Way Health and Safety protocols, including applying tacifier to all buffer areas with exposed soils, and continuing to monitor for dust.
- 3. Point Ruston to continue implementation of the Waterwalk occupancy controls, as well as any required O&M.
- 4. Point Ruston to continue construction of the Peninsula Park CMP project, including construction of the final capping of the Peninsula as well as construction of the private storm water conveyance system and other related utilities associated with this project.
- 5. Finalizing RD approvals for the following plans and documents:
 - > Final Construction Report Waterwalk CMP
 - > Final Construction Report for the MICMP
 - Peninsula Park CMP
 - > OMMP
 - > CH&SP v.6
- 6. Continue the O&M and inspections associated with the TIC and site wide stormwater facilities.
- 7. Continue CH&SP air monitoring during RA activities also TSP sampling and analysis and correlating the data for eventual data-ram analysis during occupancy.
- 8. Continue to implement terms of the settlement with Metro Parks Tacoma and the State of Washington regarding the off-site remedial action required under the Consent Decree.

The following Remedial Action tasks are planned to continue:

Monitoring:

- a. Outfall sampling (weekly composite samples) during scheduled months
- b. Air monitoring per the Air Monitoring Plan

OCF OMMP activities:

- a. Continue collection of leachate for offsite disposal
- b. Continue monitoring of leachate volumes

Stack Hill activities:

- a. Erosion controls and site maintenance, and maintain roads and landscaping, including mowing, and keep and maintain the landscaping, complete the construction of the final Baltimore Street right of way improvements, including new curb, gutter, sidewalk, stormwater facilities and roadway improvements.
- b. Continue sales & marketing effort from sales office

Site-wide construction activities:

- a. Maintain roads and stockpiles onsite
- b. Maintain erosion controls
- c. Complete site wide grading and placement of onsite stockpiles and soils in advance of subgrade construction and compaction.
- d. Maintain erosion control BMPs and CH&SP standards

Phase 1 CMP

a. Complete vertical construction and implement all necessary O&M.

Waterwalk CMP

a. Maintain erosion control BMPs and CH&SP standards, as well as conduct all necessary O&M inspections and maintenance.

Peninsula Park CMP

 Continue to construct this project, including peninsula capping and associated improvements, as well as maintain all erosion control BMPs and CH&SP standards,

Temporary Impervious Cap and Construction Storm Water Management Plan

a. Complete any required punch work, as well as completion of the Lot 14 area in conjunction with the Peninsula Park CMP work.

Sediment Cap RA Construction

a. Work with EPA to complete all required documentation of this work, including paperwork required for EPA issuance of Certification of Completion and a Consent Decree amend in favor of DNR/State of Washington.

e) Percentage completion, unresolved delays encountered or anticipated that may affect schedule, and efforts to mitigate delays.

Completion of EPA negotiations on RA schedule modifications and associated matters. Untimely and uncertain review of construction projects and applications by the Town of Ruston interest with Point Ruston's ability to implement many aspects of the on-site remedial action and has delayed review and implementation of certain aspects of the Peninsula Park CMP project. EPA and Point Ruston continue to coordinate their response to this issue.

f) Modifications to work plans or schedules proposed to or approved by EPA.

- 1. The Second Amendment to the Consent Decree was finalized and the sale of the property to Point Ruston LLC completed on October 31, 2006.
- 2. Point Ruston and EPA agreed to begin final negotiations of a Consent Decree amendment to include updates to the SOW Schedule, in exchange for an agreement by Point Ruston to complete an interim temporary cap on the site. Discussions are on-going. EPA and the Department of Justice have proposed to enter into a tolling agreement in order to conduct negotiations over this extension and other related aspects of the Consent Decree.

g) Activities undertaken to support Community Relations Plan during the previous month and planned for the next four weeks.

- 1. Point Ruston continues to work in conjunction with staff from the Town of Ruston and City of Tacoma regarding development plans, which incorporate remediation components for the site, including operation, maintenance, and monitoring issues at the site.
- 2. Point Ruston continues to meet with the Town of Ruston, City of Tacoma and Metro Parks to address operation, maintenance, and monitoring issues at the site, including the Waterwalk area which ultimately will be sold to the City of Tacoma and maintained under contact by Metro Parks Tacoma.

WEEKLY

SITE

INSPECTION

REPORTS

Reference	Date	Description
GEN2013-0428	04/28 - 05/04	General Site Weekly Inspection Report
SH2013-0428	04/28 - 05/04	Stack Hill Weekly Inspection Report
STR2013-0428	04/28 - 05/04	Streets Weekly Inspection Report
TIC2013-0428	04/28 - 05/04	Temporary Impermeable Cap Weekly Inspection Report
WW2013-0428	04/28 - 05/04	Waterwalk Weekly Inspection Report
PEN2013-0428	04/28 - 05/04	Peninsula Weekly Inspection Report
GEN2013-0505	05/05 – 05/11	General Site Weekly Inspection Report
SH2013-0505	05/05 – 05/11	Stack Hill Weekly Inspection Report
STR2013-0505	05/05 - 05/11	Streets Weekly Inspection Report
TIC2013-0505	05/05 - 05/11	Temporary Impermeable Cap Weekly Inspection Report
WW2013-0505	05/05 - 05/11	Waterwalk Weekly Inspection Report
PEN2013-0505	05/05 - 05/11	Peninsula Weekly Inspection Report
GEN2013-0512	05/12 - 05/18	General Site Weekly Inspection Report
SH2013-0512	05/12 - 05/18	Stack Hill Weekly Inspection Report
STR2013-0512	05/12 - 05/18	Streets Weekly Inspection Report
TIC2013-0512	05/12 - 05/18	Temporary Impermeable Cap Weekly Inspection Report
WW2013-0512	05/12 - 05/18	Waterwalk Weekly Inspection Report
PEN2013-0512	05/12 - 05/18	Peninsula Weekly Inspection Report
GEN2013-0519	05/19 - 05/25	General Site Weekly Inspection Report
SH2013-0519	05/19 - 05/25	Stack Hill Weekly Inspection Report
STR2013-0519	05/19 – 05/25	Streets Weekly Inspection Report
TIC2013-0519	05/19 - 05/25	Temporary Impermeable Cap Weekly Inspection Report
WW2013-04519	05/19 – 05/25	Waterwalk Weekly Inspection Report
PEN2013-0519	05/19 – 05/25	Peninsula Weekly Inspection Report
GEN2013-0526	05/26 - 06/01	General Site Weekly Inspection Report
SH2013-0526	05/26 – 06/01	Stack Hill Weekly Inspection Report
STR2013-0526	05/26 - 06/01	Streets Weekly Inspection Report
TIC2013-0526	05/26 - 06/01	Temporary Impermeable Cap Weekly Inspection Report
WW2013-0526	05/26 - 06/01	Waterwalk Weekly Inspection Report
PEN2013-0526	05/26 – 06/01	Peninsula Weekly Inspection Report



GENERAL SITE

Weekly Site Inspection Report No. GEN 2013- ダイス8

Week of: $\sqrt[3]{4}/\sqrt[3]{8} - \sqrt[65]{9}/\sqrt[4]$, 2013 Inspector: $\sqrt[4]{1}/\sqrt[8]{1}/\sqrt$

INSPECTION AREA	CON	VERA NDIT	L ION	NE	ED AIR?	COMMENTS/OBSERVATIONS
Gates: Slag Peninsula 52 nd Street 54 th Street (electric)	Good	Fair	Poor	Yes	No No	(See "Streets" Report for additional gates)
Signage: Gates Perimeter Safety	Good	Fair	Poor	Yes	No	
Security: Locks Alarms Cameras	Good	Fair	Poor	Yes	No V	GIZAND GAME GOLL DEVINE AMING UP MORES
BMPs: Silt Fence Waddles	Good	Fair	Poor	Yes	No 1/	
Nursery: Plants Sprinkler Weeds	Good	Fair	Poor	Yes	No	NEED TO REDAIR + ACTIVATE SYSTEM TIME TO START SEASONAL MANJENANCE
Stockpiles: Envirotac II Plastic Packed Grass	Good	Fair	Poor	Yes	No V	
Dust: Traffic areas Excavation area	Good	Fair	Poor	Yes	No	SUN +WIND DRYS ON ROADS FAST (WATER MORE)
Fencing: Site Perimeter Zone Separation	Good	Fair	Poor	Yes	No V	TIGHTEND LATCH AT 15TW. W GATE (YNURSDA) E. Z. FENCE INSTALLED HOUND MM Z.
CRZs: Area D (Other)	Good	-Fair	Poor	Yes	No	
Haul Roads: Main Street Grand Ave. OCF road Metr.Pks-Peninsula	Good	Fair	Poor	Yes	No V	CLOSEN) INDEPLUATERY

GENERAL SITE - Weekly Site Inspection Report No. GEN 2013- ② ゲンダ Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

Misc. notes: \$5,TE CREW + BULLDING WORKER LAY-OFFS. METER UPGRADE AT OCF NW CORNER COMPLETED.	
* METER UDGRADE AT OCF NW CORNER COMPLETED.	
6	
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Air Monitoring:

Day of	Week	Hi-Vol QTY	Real Time	Personal QTY	Portable QTY	Air Monitoring Notes
Sun	4/24	Ø	4	Ø	Ø	No WORK ACTIVITY
Mon	29	4	Ч	Ø	1	MONGO OCF/PEUNSHLA SOIL PLAGEMENT & SINGLA G
Tue	3ø	4	4	Ø	1	WEED CUTTING ON OCF PERMETER SOIL PLACEMENT ON PENNSONA
Wed	5/,	4	4	Ø	1	ORGANIZA G MATRIAS DU OCT/START LINER ON PENNISHLA
Thu	2	4	Ч	Ø	Ø	HMLSONS FROM M.P. SOMEE AREA TO PENSUSULA
Fri	3	4	4	Ø	R	MINING OCF BORROWSOUS TO STOREGIE / REPAIR HAYLE RE TOS
Sat	ij					1 7

WEATHER:

		•									
			Summary of Weather Conditions								
Day of	Week	TEMPERA LOW	TURE (F) HIGH	DIRECTION	IND (MPH) AVERAGE	GUST	RAIN (INCHES)	OTHER			
		LOW	nign	DIRECTION	AVERAGE	6031	(IIICnes)				
Sun	1/23	48	64	SW	7	24	.12	PARTLY CLONDY MACKERSING CLONDS + LASTAN			
Mon	29	43	63	6W	8.	24	.K4	MORUNA RAINTHEN GEARINGS (WWBY)			
Tue	3φ	37	63	NE	3	9	Ø	SUNNY MO PARTY CLOUDY			
Wed	5/1	37	71	NNW	2	9	Ø	SUMMY +BREEZY			
Thu	2	44	74	NNE	2	8	Ø	Suzay			
Fri	3	48	77	NNE	7	7	Ø	Sung			
Sat	4	52	82	NNE	3	11	Ø	SUNNY			

I certif	fy that this re	port is true,	accurate and	complete,	to the b	est of my	knowledge a	nd belief.

INSPECTOR: DATE:	5/6/13	SIGNED:
H&S OFFICER: DATE:	5/6/13	SIGNED:



Weekly Site Inspection Report No. SH 2013- グリネ会

Week of: 04 138 - 05104, 2013 Inspector: Harry Staughter
Operable Unit 02 - Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	COI	VERA NDIT	L ION	NE REP	ED AIR?	COMMENTS/OBSERVATIONS
Streets: Villard St. Court St. Commercial St. Baltimore St. 49 th St. Tract A (private) Lot #18 (private)	Good	Fair	Poor	Yes	No V	
View Point: Parking Pad Gravel Path Display Boards	Good	Fair	Poor	Yes	No V	Weeds Needs to be Cut
Storm Drains Clean: Catch Basins	Good	Fair	Poor	Yes	No	
BMPs: Hydroseed (Other)	Good	Fair	Poor	Yes	No V	
Sidewalks: Damage Weeds	Good	Fair	Poor	Yes	No V	
Signage: Perimeter "Advisory" No Trespass (Tunnel Hillside)	Good	Fair	Poor	Yes	No V	
Dust: Excavation Areas	Good t√	Fair	Poor	Yes	No V	
Fencing: 4' Site Perimeter 6' Temp. Panels	Good	Fair	Poor	Yes	No	N/A
Street Lights: Condition	Good	Fair	Poor	Yes	No	
Site Markers: Lot Numbers Utilities Survey Stakes	Good	Fair	Poor	Yes	No V	Drainago, Sever
Retaining Walls: Baltimore Lots 22/23/24	Good	Fair	Poor	Yes	No V	Motorial BN Lot# 23

STACK HILL - Weekly Site Inspection Report No. SH 2013- 2428 Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

Misc. notes:
Lot 4 New Construction, Material, equipment
post at the corner of Villated & Court St.
Utility Construction Baltimore; Westerial, equipment

certify that this re	port is true, acci	irate and comple	te, to the bes	t of my kno	wledge and belief.

INSPECTOR: DATE: 05/01/20/3 SIGNED: H&S OFFICER: DATE: 5/6/13 SIGNED:



Weekly Site Inspection Report No. STR 2013- ダリス名

Week of: 94 128 - 05104, 2013 Inspector: Harry Sharehor Operable Unit 02 - Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION (* CHECK ONE)	NEED REPAIR?	COMMENTS/OBSERVATIONS
Streets: Surface Paint Splitter Islands Barricades	Good Fair Poo	Yes No	
Signage: Trespass Advisory Traffic Marketing	Good Fair Poo	Yes No	
Street Lights: Ruston Way 51 st Street Baltimore Yacht Club Junction Boxes	Good Fair Poo	Yes No	
Storm Drains: Curb/Gutter CBs Filterras	Good Fair Poo	Yes No	
Sidewalks: Paint Crossings Bollards	Good Fair Poo	Yes No	See Notes
Landscaping: Trees Plants Sprinkler Bark/Mulch	Good Fair Pool	Yes No	1/ ²
Roundabouts: Grand Yacht Club	Good Fair Poo	r Yes No	
Features: Wall/Rail Development Sign	Good Fair Poo	r Yes No	

STREETS - Weekly Site Inspection Report No. STR 2013- Ø428 Operable Unit 02 - Asarco Tacoma Smelter Site (Point Ruston)

Gates:	Good	Fair	Poor	Yes	No	·
Cooling Pond – West		/			V	
Cooling Pond – North	V,				/	
Lot #12	1/				1/	
Lot #10 – West					1/	,
Lot #10 – North	1/				1/	
BNSF – A	1/		<u> </u>		1/	
OSW02	1/		 		1/	
Grand – East	1/				i/	
Grand – West		<u> </u>	<u> </u>	1		
Cascade	1/			 		
Yacht Club – North	1				1//	
Yacht Club – South	1/	Í—	1	1	V	
Other:	Good	Fair	Poor	Yes	No	
Roundabouts	V	1			V	
Jersey Barriers	7		†	1	1	
Baltimore Bridge		Í	<u> </u>	1		
Traffic Sign is		Sid	s M(c)	K e	LOE.	Let walk (KEED RIGHT/Frons TAXON
				, 		
certify that this report i	s true	, accu	rate a	nd com	plete,	to the best of my knowledge and belief.
NSPECTOR: DATE:	<u>05</u>	10	1/5	20/	<u>}_</u>	SIGNED: Jany Jo Slavey L
EVIEWED: DATE:	************	Ø5	1/0	5/13	3	SIGNED:



TEMPORARY IMPERMEABLE CAP

Weekly Site Inspection Report No. TIC 2013- ダリュ8

Week of: 04/28-05/04, 2013 Inspector: Harry Slower Steeler Site (Point Ruston)

	Parameter of the same and the s	7	ATEREN	I	
INSPECTION AREA	OVERAL CONDITION	CLEAN?	REPAIR?	COMMENTS/OBSERVATIONS	
Lot 1 Geomembrane Sand Bag Cover Anchor Edge Berm Drainage Other	Good Fair Poor	Yes No	Yes No	Exposed edgo Pooling	
Lot 3 Geomembrane Sand Bag Cover Anchor Edge Berm Drainage Other Lot 4	Good Fair Poor		Yes No	Paoling	
Geomembrane Sand Bag Cover Anchor Edge Berm Drainage Other				Pooling See pies	
Lot 5/6 Geomembrane Sand Bag Cover Anchor Edge Berm Drainage Other	Good Fair Poo	Yes No	Yes No	†colincy	
Lot 7 Geomembrane Sand Bag Cover Anchor Edge Berm Drainage Other	Good Fair Poo	Yes No	Yes No		
Lot 9/11 Geomembrane Sand Bag Cover Anchor Edge Berm Drainage Other	Good Fair Poo	Yes No	Yes No	Expessed edgo	
Lot 14 Geomembrane Sand Bag Cover Anchor Edge Berm Drainage Other	Good Fair Poo	r Yes No	Yes No	See Notes	

TEMPORARY CAP - Weekly Site Inspection Report No. TIC 2013- Ø 428 Operable Unit 02 - Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OV CON	/ER/ \DIT		CLE	CLEAN?		ED AIR?	COMMENTS/OBSERVATIONS
Lot 16	Good	Fair	Poor	Yes	No	Yes	No	See Notes
Geomembrane								
Sand Bag Cover			<u> </u>					
Anchor Edge Berm	<u> </u>		<u> </u>					
Drainage		 	l					
Other								
Lot 17/18	Good	Fair	Poor	Yes	No	Yes	No	
Geomembrane	1/	_		V	-		1	
Sand Bag Cover	1	_					N	
Anchor Edge Berm	V							
Drainage	1			V			V	
Other				1/				fading
MMZ (Lot 15)	Good	, Fair	Poor	Yes	No	Yes	No	Y
Stock Piles	V	ļ		V			0	
Drainage	V			V			V	
Other							V	

Misc. notes:
hot# 3-hose? Duct tape
Lott 12 Proding; Not ON Estropection Check list Report.
Lot# 12 Proling; Not ON Son Tropection Check list Report.
bot # 9/11 & Pump
Lot# 14; Terry cap; Haul Prad Lot# 16 Not Site; Terry cap?
, , , , , , , , , , , , , , , , , , , ,
NOTE: POOLING IS TEMPORARY AND TYPICKLY DESOUTES QUICKLY
FOLLOWING RAIN EVENTS.

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE:	5/2/13	SIGNED: Harry J. Sh
REVIEWED: DATE:	5/6/13	SIGNED:



WATERWALK

Weekly Site Inspection Report No. WW 2013- ダリスタ

Week of: 94128 - 95194, 2013 Inspector: TIM Rusher

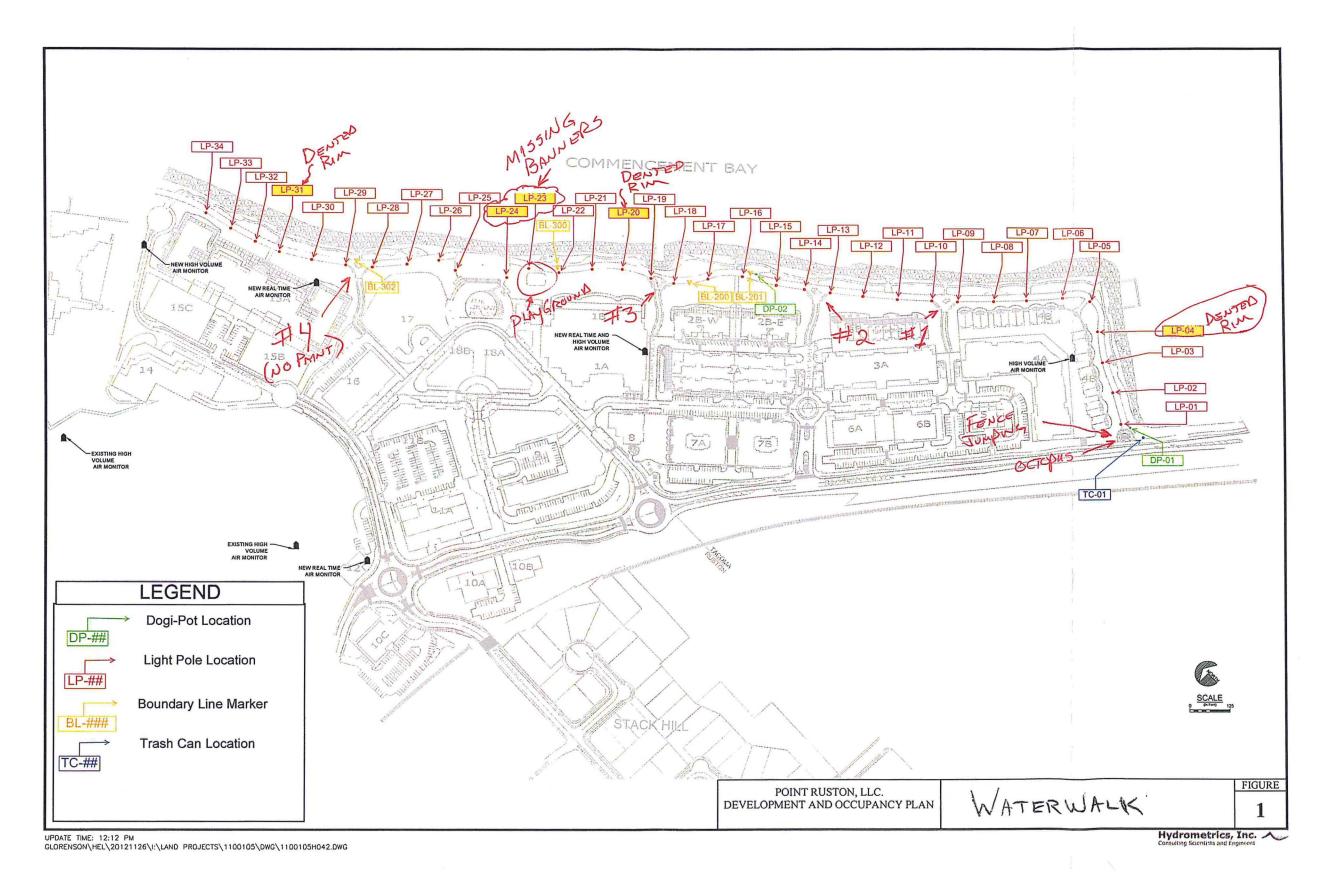
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	CON	VERA VDIT	AL ION	NEED REPAIR? (* CHECK ONE)		COMMENTS/OBSERVATIONS
Paths:	Good	Fair	Poor	Yes	No	
Asphalt	V				V	GOOSE POOD TYPICAL
Gravel	レ				\summarray \summarray	
Signage:	Good	Fair	Poor	Yes	No	
Perimeter/Trespass	\checkmark				V	
Perimeter/"No Access"	V				\	
Park Rules	$\sqrt{}$				V	SOUTH ENN ONLY
(Other)						SOUTHENN ONLY REPAIR 2 "KEEP OFF GRASS" 51623
Street Lights:	Good	Fair	Poor	Yes	No	ONTIMER ORPHOTO EYE
Junction Boxes	V				V	~
Poles	$\sqrt{}$?		EDGE OF FIXTURE DENTED WHEN LUSTIFLED #4. #20+31
Bulbs					V	
Banners	V	•	 	$\overline{}$		MISSING BANNER POLIS# 23 MISSINGBANNER & BRAGESTS#24
Storm Drains:	Good	Fair	Poor	Yes	No	
Area Drains	V			1	V	
Clean Outs	V	<u> </u>	<u> </u>	1	V	
Octopus:	Good	Fair	Poor	Yes	No	
Tile	V			1	\checkmark	
Grout					V.	
Paint	V				V	
Intersection #1:	Good	Fair	Poor	Yes	No	
Tile	✓				V,	
Grout	$\overline{}$,	<u> </u>		V	
Paint					V	
Intersection #2:	Good	Fair	Poor	Yes	No	
Tile	V				V	
Grout	V				V	
Paint					6	
Intersection #3:	Good	Fair	Poor	Yes	No	
Tile					V	
Grout	V.				V.	
Paint	1			T		
Intersection #4:	Good	Fair	Poor	Yes	No	THE + PANEMENT COUD USE A GOOD GEANING
Tile				?		MAYBE NOTSEALED (LOSKS UNBUISHED)
Grout				,	V	
Paint				V		NOT PANNTED YET

WATERWALK - Weekly Site Inspection Report No. WW 2013- ♥ 4 2 € Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

						Control of the Contro
Sprinkler:	Good	Fair	Poor	Yes	No	SPRINKLER SYSTEM ON WHERE ATHERT
Heads						
Valve Boxes						
Landscaping:	Good	Fair	Poor	Yes	No	
Trees						REMOURD BROKEN BREAUCH FROM TRIES AS LUTER # 2
Plants						REMOURD BROKEN BREWON FROM TRIE A- NOTER # 2 2 PLANTS LAYING ON SURFACE A- LUTERSE
Grass						Pick
Bark/Mulch						
Hardware:	Good	Fair	Poor	Yes	No .	
Cleat Benches	V				V	
Tables	\checkmark				V	, ,
Trash Cans	$\sqrt{}$?		CANS AT PLAZA NOT FASTEMBD/MOHDAY 4-29
Gates:	Good	Fair	Poor	Yes	No	
Ferry - South					V	
TIC - 3/4	V				V	
Intersection #1	$\sqrt{}$				~	
Intersection #2						
Intersection #3					/	
ow Farand Plaza						
Intersection #4					V.	
STAGE 23 -Peninsula - North					V	
Grand Plaza:	Good	Fair	Poor	Yes	No	TEMP FONCE AT TOPOF ENDINANGEMENTS BETTER
Lights	\checkmark				V	SOLUTION
Concrete						
Rails	\checkmark					
Big Toy:	Good	Fair	Poor	Yes	No	RUST SHOWING ON 3-WENDS (HEEDS TOHOH UP)
Block Wall	$\sqrt{}$?		RUST SHOWING ON 3-WELDS (HEERS TOHER UP) TOP COHREE SHOWIN BE EDOXIED ALL AROUND
Sign					\	
Boardwalk/Benches						
Swings						
Chips				1		
Other:	Good	Fair	Poor	Yes	No	4 ADDITION AL CONSTES ORNERED.
Coyotes						2 DRESTONERY STOLEN 2 REMAIN (1 PERLUG HAMPELLE TOLL)
Tide Pool					V	
Misc. notes (use continu	ation sh	eet if r	ecessa	rv): 🔞	4	A-F- A ULLI

Misc. notes (use continu	ation sheet if necessary): 🥀	116NS OF FENCE JUMPING AT 4'	TO 6 TRINSITION			
AT OCTOPUS. & DOGI-POT REFILED AT OCTOPUS (MONDAY 1/29) (10 REFILE LA STOCK)						
METROPARK WAS LOCKING AT PLAY GROUND EQUID. 4/34; AND A JOHN DESRE GATOR 5/1.						
certify that this report is true, accurate and complete, to the best of my knowledge and belief.						
NSPECTOR: DATE:	5/1/13	SIGNED:				
EVIEWED: DATE:	5/1/13	SIGNED:	Section of the sectio			
ORM: WATERWALK-WSIR rev	. 02/15/13	2				



WW2013-8428



Weekly Site Inspection Report No. PEN 2013- 仏428

Week	of: 64	128	- 65/64	, 2013	Inspector: I/M	RUSHAR
	- · · · · · ·	. 010	70.97	,	1110	142000

INSPECTION AREA	CON	VERA VDIT	ION	8	ED AIR? CK ONE)	COMMENTS/OBSERVATIONS
Fence: Perimeter Exclusion Zone Silt	Good	Fair	Poor	Yes	No No	
Source Area: Drainage BMPs Equipment Metro Parks Materials	Good	Fair	Poor	Yes	No No	
Haul Road: Road Base Gravel Cover Drainage Metro Parks Materials	Good	Fair	Poor	Yes	No No	
Peninsula Liner: Geomembrane Gravel Cover Marker Fabric Drainage	Good	Fair	Poor	Yes	No	LINERSTARTED 5/1/13 PENDING
Other Features: Shoreline Armoring Habitat Basin City Outfall	Good	Fair	Poor	Yes	No V	

Misc. notes: 57 METER	PLYCING LINER		

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR:	DATE:
TI IOI DOI OIG	***

5/6/13 SIGNED:

H&S OFFICER: DATE: 5/6/13 SIGNED:



GENERAL SITE

Weekly Site Inspection Report No. GEN 2013- 多5 少ら

Week of: 05/05 - 05/11, 2013 Inspector: Tim Rusher Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	CON	VERA	L ION	NEED REPAIR?		COMMENTS/OBSERVATIONS
Gates:	(√ (Good	Fair	VE) Poor	(✓ CHEC	No	(See "Streets" Report for additional gates)
Slag Peninsula	V				V'	
52 nd Street	V ,				V	
54 th Street (electric)			Managaran (1974)		V	
Signage:	Good	Fair	Poor	Yes	No	
Gates	V					
Perimeter	V				V	
Safety	V				*	
Security:	Good	Fair	Poor	Yes	No	BLONG 2A-PINERD GATE NOTALLED.
Locks	V				800	
Alarms	✓ <u> </u>				<i>V</i>	
Cameras	****	/			J	
BMPs:	Good	Fair	Poor	Yes	No	
Silt Fence	V					
Waddles	\					
Nursery:	Good	Fair	Poor	Yes	No	
Plants	V				V	
Sprinkler		\				REDMESIN PROGRESS
Weeds		/		W/		SCHEDWING WEED REMOVAL/CHTTNA
Stockpiles:	Good	Fair	Poor	Yes	No	'
Envirotac II					-	
Plastic	✓			<u> </u>	/	
Packed	<u> </u>		ļ		1	
Grass						
Dust:	Good	Fair	Poor	Yes	No	
Traffic areas	V				8	Wher span used as Neemed
Excavation area	V					DRY WISDLATED DASTIFFIN WING ONPENNISHLA
Fencing:	Good	Fair	Poor	Yes	No	,
Site Perimeter	~				/	
Zone Separation	\checkmark					
CRZs:	Good	Fair	Poor	Yes	No	
Area D	1				1	
(Other)						
Haul Roads:	Good	Fair	Poor	Yes	No	
Main Street	V		Ī			
Grand Ave.	V-				/	
OCF road						CLUSED
Metr.Pks-Peninsula	V				3/	

GENERAL SITE - Weekly Site Inspection Report No. GEN 2013- Ø 5 Ø 5 Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

Misc. notes: \$ 5/5 TAKOMA GTY MARATHON GOSED ACCESS TO SITE IN A.M.
START UD OF 5Th HOL (LOT14)
START UP OF 5TH HOL (6-14) 4 5/14 Rejusted ES4 TO MATCH SEMINGS OF STHER E-SAMPLERS

Air Monitoring:

ir Mo	nitor	ing:				
Day of	Week	Hi-Vol QTY	Real Time	Personal QTY	Portable QTY	, Air Monitoring Notes
Sun	5	Ø	4	Ø	Ø	NOWOPK PET WITY SETUD HO-VOLLOCATION ON LOT 14 LOT 14 CALIER TED ASPITAL PATCH 2A SIGNS
Mon	6	Ч	4	Ø	Ø	HAULING FROM M.P. SOURCE ARE TO PENINGULA
Tue	7	5	4	Ø		START HI-VOL LOT 14 HAML FROM M.P. SOURCE ARESTO PENINSULA - LINGRE INSTRUCT
Wed	ઇ	5	4	Ø	Ø	HAML FROM M. P. SOURCE FIXE TO PEN. ASPHALT STAMBULG DA ISLAND VICE
Thu	9	5	4	Ø	Ø	" " OCF WEEN GUTTING
Fri	10	5	4	Ø	Ø	It is it
Sat	11	Ø	4	Ø	Ø	NO WORK ACTIVITY

WEATHER:

				of Weather Conditions							
Day of Week		TEMPERA LOW	TURE (F) HIGH	DIRECTION	IND (MPH) AVERAGE	GUST	RAIN (INCHES)	OTHER			
Sun	5	54	9Ø	N	2	S	~/	Sundy			
Mon	Ь	51	89	WSW	l	9		50AN4 , ,			
Tue	7.	52	74	WSW	4	15	Ø	MORNING FOG & CLOUDS/HAZE A-NOON/SULLY			
Wed	8	51	74	SW	2	10	Ø	MORNING CLOUPS / AFTERNOON SUN			
Thu	9	49	73	NW	l	8	Ø	MORNING GOUDS /AFTERNOON SUN			
Fri	10	48	81	N	1	7_	Ø	MORHING FOG + Gains/AFTERNOON SUN			
Sat	}!	52	88	WSW	3	13	Ø	MORNING CLOURS / AFTERNOON GEARINGS			

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR:	DATE:	5//3	3/13
------------	-------	------	------

SIGNED:

H&S OFFICER: DATE:

5/13/13

SIGNED:



Weekly Site Inspection Report No. SH 2013- D505

Week of: 05/05 - 05/11 , 2013 Inspector: HARRY SLAUGHTER Operable Unit 02 - Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVE COND	RAL ITION CK ONE)	NE	ED AIR?	COMMENTS/OBSERVATIONS
Streets: Villard St. Court St. Commercial St. Baltimore St. 49 th St. Tract A (private) Lot #18 (private)	Good Fa	air Poor	Yes	No V	See Notes
View Point: Parking Pad Gravel Path Display Boards	V V	air Poor	Yes	No i	See Notes
Storm Drains Clean: Catch Basins	Good F	air Poor	Yes	No	
BMPs: Hydroseed (Other)	Good F	air Poor	Yes	No	
Sidewalks: Damage Weeds	Good F	air Poor	Yes	No i	
Signage: Perimeter "Advisory" No Trespass (Tunnel Hillside)	Good, F.	air Poor	Yes	No	
Dust: Excavation Areas	Good F	air Poor	Yes	No	
Fencing: 4' Site Perimeter 6' Temp. Panels	Good F	air Poor	Yes	No	NA
Street Lights: Condition	Good , F	air Poor	Yes	No /	
Site Markers: Lot Numbers Utilities Survey Stakes	Good F	air Poor	Yes	No /	
Retaining Walls: Baltimore Lots 22/23/24	Good F	air Poor	Yes	No V/	See Notes

STACK HILL - Weekly Site Inspection Report No. SH 2013- ∅5 Ф5 Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

Misc. notes:
Villard & Court Fence Post & Villard & Commercial St
Read Construction Baltimore St.
View Point: grass /weeds
Tire Marks on Sink Walk, Lot# 5, Let# 29
Lets 22/23/24 gras, woods, Materials
Lest 3/4 New Construction, Materials equipment
Lot 15 New Capstruction, Materials
Lots 28/29 New Construction, Materials, equipment
Lest 21 grass, weeds
<u></u>

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.							
INSPECTOR:	DATE: 05/10/2013	SIGNED: Hours J. Slaught					
H&S OFFICER:	DATE: 5/13/13	SIGNED:					



Weekly Site Inspection Report No. STR 2013- 0505

Week of: 05 105 - 05 111 , 2013 Inspector: Harry Stugitter

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION (/ CHECK ONE)	NEED REPAIR? (* CHECK ONE)	COMMENTS/OBSERVATIONS
Streets: Surface Paint Splitter Islands Barricades	Good Fair Poor	Yes No	
Signage: Trespass Advisory Traffic Marketing	Good Fair Poor	Yes No	
Street Lights: Ruston Way 51 st Street Baltimore Yacht Club Junction Boxes	Good Fair Poor	Yes No	
Storm Drains: Curb/Gutter CBs Filterras	Good Fair Poor	Yes No.	
Sidewalks: Paint Crossings Bollards	Good Fair Poor	Yes No	See Notes
Landscaping: Trees Plants Sprinkler Bark/Mulch	Good Fair Poor	Yes No	
Roundabouts: Grand Yacht Club	Good Fair Poor	Yes No	See Notes
Features: Wall/Rail Development Sign	Good Fair Pool	Yes No	

STREETS - Weekly Site Inspection Report No.

STR 2013-\$5\$5

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

Gates:	Good	/ Fair	Poor	Yes	No	
Cooling Pond – West		,			1/	
Cooling Pond – North		/			V	
Lot #12		· · · · · · · · · · · · · · · · · · ·			V	
Lot #10 – West		L			V	
Lot #10 – North	V					
BNSF – A	1/					
OSW02					1/	
Grand – East	1					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Grand – West	1/				1//	
					1//	
Cascade						
Yacht Club – North					V/	
Yacht Club – South						
	in and the second	Xubanaman man a	mprisonan noncessad	_		
Other:	Good	Fair	Poor	Yes	No	
Roundabouts	1/				1	
Jersey Barriers	V	/				
Baltimore Bridge	V					
				ARMININA AR		
Misc. notes: Tire Warks a Cracks in Sta	10 CA	Sijeb Notk	e W	alk 1	heat	octopics - Ruston hay
						Ve Ramabalt
Thee on fer		lin	5 7	126	SLB.	Credit Wiow lot.
Weeds in Brice	<u> </u>			***************************************		•

			······································		· · · · · · · · · · · · · · · · · · ·	
				·····		
			······································		***************************************	
			·			
certify that this report is	s true,	accui	rate an	d com	plete,	to the best of my knowledge and belief.
INSPECTOR: DATE:	07	5/10	129	3		SIGNED: Harry & Slowegh
	,,	-1	3//			
REVIEWED: DATE:	•	1/	3/13	>		SIGNED:



TEMPORARY IMPERMEABLE CAP

Weekly	Site	Inspe	ctior	Report No.	TIC	2013-	Ø5Ø5
(MM)	(DD)	(MM)	(DD)				

Week of: 05 105-05/10, 2013 Inspector: Harry Staughter Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION	CLEAN?	NEED REPAIR?	COMMENTS/OBSERVATIONS
Lot 1 Geomembrane Sand Bag Cover Anchor Edge Berm Drainage Other	Good Fair Poor	Yes No	Yes No	Source Aroling
Lot 3 Geomembrane Sand Bag Cover Anchor Edge Berm Drainage Other	Good Fair Poor	Yes No	Yes No	
Lot 4 Geomembrane Sand Bag Cover Anchor Edge Berm Drainage Other	Good , Fair Poor	Yes No	Yes No	SCROON ON Drain - Parling
Lot 5/6 Geomembrane Sand Bag Cover Anchor Edge Berm Drainage Other	Good Fair Poor	Yes No	Yes No	Screen on Drain)
Lot 7 Geomembrane Sand Bag Cover Anchor Edge Berm Drainage Other_	Good Fair Poor	Yes No	Yes No	N/A
Lot 9/11 Geomembrane Sand Bag Cover Anchor Edge Berm Drainage Other	Good Fair Poor	Yes No	Yes No	NA
Lot 14 Geomembrane Sand Bag Cover Anchor Edge Berm Drainage Other	Good Fair Poor	Yes No	Yes No	NA

TEMPORARY CAP - Weekly Site Inspection Report No. <u>TIC 2013- ゆうゆう</u> Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERA CONDIT	CLEAN?		NEED REPAIR?		COMMENTS/OBSERVATIONS	
Lot 16	Good Fair	Poor	Yes	No	Yes	No /	
Geomembrane	1/						
Sand Bag Cover	1/1		V	′		V	
Anchor Edge Berm				,		1	
Drainage						V	1
Other							MA
Lot 17/18	Good Fair	Poor	Yes	No	Yes	No	
Geomembrane						0	
Sand Bag Cover						V	·
Anchor Edge Berm			1			V	/
Drainage						V	
Other							NA
MMZ (Lot 15)	Good Fair	Poor	Yes	No	Yes	No	
Stock Piles	W			-		V	/
Drainage						V	
Other							NA

Misc. notes:
hot to have Duchor edge @ Island view gote, Small out
Repairs were Made 5/10/13.
hot to have Schools on draws replaced by
Sorve Pooting
, 0

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE: 05/10/20(3 SIGNED: Hang). Slower

REVIEWED: DATE: 5/13/13 SIGNED:



WATERWALK

Weekly Site Inspection Report No. WW 2013- 55 05

Week of: 05 105 - 05 111 , 2013 Inspector: Harry Sharpher Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERA CONDIT	ION	NE REP.		COMMENTS/OBSERVATIONS
Paths:	Good Fair	Poor	Yes	No No	
Asphalt					Needs Cleaning
Gravel			 	1	WEED 3 CLEONING
Signage:	Good Fair	Poor	Yes	No	
Perimeter/Trespass				V	
Perimeter/"No Access"	1//			V	
Park Rules	1//			V	
(Other)				V	
Street Lights:	Good Fair	Poor	Yes	No	
Junction Boxes				1	
Poles	V			V	
Bulbs	V			V	
Banners	V		1	1/	
Storm Drains:	Good Fair	Poor	Yes	No	
Area Drains	v		1	1	
Clean Outs					
Octopus:	Good Fair	Poor	Yes	No	
Tile	4/			V	
Grout	V			V	
Paint	V		<u></u>	V	Needs to be Cleaned
Intersection #1:	Good Fair	Poor	Yes	No	
Tile				V	
Grout	V	ļ	<u> </u>	V	
Paint				/	Needs Cleaning, thre Traiks
Intersection #2:	Good Fair	Poor	Yes	No	Needs Cleaning, tire Marks
Tile	1//	/		V	V '
Grout		1	 	V	
Paint			<u> </u>	V	
Intersection #3:	Good Fair	Poor	Yes	No	Neads cleaning
Tile		<u> </u>	 	1	V
Grout	V	1	<u> </u>	V	
Paint	West V			V	
Intersection #4:	Good Fair	Poor	Yes	No	News CLEONING
Tile			ļ		U
Grout		K-	-	<u> </u>	
Paint			<u> </u>	<u> </u>	

Sprinkler:	Good	Fair	Poor	Yes	No	
Heads	V				V	
Valve Boxes	V				- L	
Landscaping:	Good	Fair	Poor	Yes	No	
Trees	V					
Plants	V					
Grass	V	/			i	
Bark/Mulch	V					
Hardware:	Good	Fair	Роог	Yes	No	
Cleat Benches	V				1/	
Tables					V/	
Trash Cans	V				V	
Gates:	Good	Fair	Роог	Yes	No	,
Ferry – South	V				V,	
TIC - 3/4		1			V	
Intersection #1	V				V	
Intersection #2						
Intersection #3	V				V	
Grand Plaza	V				1	
Intersection #4	V				1	
Peninsula - North	V				1	
Grand Plaza:	Good	Fair	Poor	Yes	No /	
Lights					1	
Concrete	1/				1	
Rails	1/				V	
Big Toy:	Good	Fair	Poor	Yes	No	
Block Wall	./				V	
Sign	V				V	
Boardwalk/Benches	i/				V	
Swings	V				V	
Chips	/				V	
Other:	Good	Fair	Poor	Yes	No	
Coyotes					V	
Tide Pool						

Misc. notes (use continu	nation sheet if nece	ssary): Missiya		
Light Poles	23 124	ate hanners		
4				

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE:	05/06/2013	SIGNED: Havy Os Slowy 14
	1 /	
REVIEWED: DATE:	<u> 5/13/13</u>	SIGNED:
	7	



PENINSULA

INSPECTION AREA	CONTRACTO		NEED REPAIR?		COMMENTS/OBSERVATIONS	
Fence: Perimeter Exclusion Zone Silt	Good	Fair	Poor	Yes	No V	
Source Area: Drainage BMPs Equipment Metro Parks Materials	Good	Fair	Poor	Yes	No V	
Haul Road: Road Base Gravel Cover Drainage Metro Parks Materials	Good V	Fair	Poor	Yes	No V	
Peninsula Liner: Geomembrane Gravel Cover Marker Fabric Drainage	Good	Fair	Poor	Yes	No	LINER LUSTALL CONTINUES IN PROGRESS IN PROGRESS
Other Features: Shoreline Armoring Habitat Basin City Outfall	Good	Fair	Poor	Yes	No V	
Misc. notes:						
ertify that this report i	s true,	accui	rate ar	nd com	plete, t	o the best of my knowledge and belief.



GENERAL SITE

Weekly Site Inspection Report No. GEN 2013- 05/2

Week of: 65/2 - 65/8, 2013 Inspector: Tim Rusiter Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	CON	VERA NDIT	L ION	NE	ED AIR?	COMMENTS/OBSERVATIONS
Gates: Slag Peninsula 52 nd Street 54 th Street (electric)	Good V	Fair	Poor	Yes	No	(See "Streets" Report for additional gates)
Signage: Gates Perimeter Safety	Good	Fair	Poor	Yes	No	
Security: Locks Alarms Cameras	Good	Fair	Poor	Yes	No /	
BMPs: Silt Fence Waddles	Good	Fair	Poor	Yes	No	
Nursery: Plants Sprinkler Weeds	Good ✓	Fair	Poor	Yes	No V	REPORTED + OPERATIONAL
Stockpiles: Envirotac II Plastic Packed Grass	Good	Fair	Poor	Yes	No V	
Dust: Traffic areas Excavation area	Good	Fair	Poor	Yes	No V	
Fencing: Site Perimeter Zone Separation	Good	Fair	Poor	Yes	No	
CRZs: Area D (Other)	Good	Fair	Poor	Yes	No	
Haul Roads: Main Street Grand Ave. OCF road Metr.Pks-Peninsula	Good	Fair	Poor	Yes	No No	40581)

GENERAL SITE - Weekly Site Inspection Report No. GEN 2013- ダミ/ス Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

Misc. notes: CAR HIT (KEED RIGHT) SIGNON SOLITER ISLAND BOWNA.A.B	,
REPLACED WY SIGN ON YAWAT CLUB FAGING GOSED SEEDON OF ROAD.	
\$ 5/17 ORCA POD SEEN IN BAY	

Air Monitoring:

Day of	Week	Hi-Vol QTY	Real Time	Personal QTY	Portable QTY	Air Monitoring Notes	
Sun	12	\varnothing	4	Ø	Ø	No SITE ACTIVITY 1.	
Mon	13	5	4	Ø	925	Smallmoren ance VECHIONES REDMR ATENOUT YN 415 CON	A.
Tue	12]	5	Ч	Ø		HMULISG M. P. Source AREA Soils Toten. Bymnore - Streething	
Wed	15	5	.4,	Ø	Ø	HAMILING M. P. SoiLS TO PEN. STACK HILL UTILITY/WORK	j
Thu	16	5	FAG)	Ø	Ø	STREET 15 GRADING FOR STORM DOWN BYPASS. ACTIVITY	(File
Fri	17	5	4	Ø	Ø	GRADING+ CONDITING ON PENINSMA/BRAIMORES SIDEWALK PROP	
Sat	18	5	4	Ø	Ø	No SITE ACTIVITY - HI VOLS ON DECUDAJON SCHL. 24/7	

WEATHER:

				re distribution of the property of the later of		Sum	mary o	f Weather Conditions
Day of	Week	TEMPERA LOW	MPERATURE (F) WIND (MPH)		RAIN (INCHES)	OTHER		
Sun	12	57	77	WSW	3	13	.12	MORNINGRAIN AFTERNOON CONDELEVENING RAIN
Mon	13	5¢	70	5W	5	24		MOSTLY CLOUDY / THIS SECRES SEWERS / HIGH WOUNG 4575
Tue	14	47	74	SSW	3	11	Ø	SUNNY W/SCATTERED CLOUDS
Wed	15	45	74	SW	2	13	.94	OVERCAST WRAN AT NIGHT
Thu	16	3Ø	79	WSW	2	14	.ø4	- //ISTOCHOSU / PASTILL
Fri	17	53	68	SW	7	13	.058	MORNING SHOWERS/CLOUDY "YAFTERNOON CLEARING
Sat	18	52	68	SW	3	11	.Ø4	MOSTLY CLOUDY

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE: $\frac{5}{20}/3$

SIGNED:

H&S OFFICER: DATE:

SIGNED:



Weekly Site Inspection Report No. SH 2013-0512

Week of: \$\int_{12} - \varphi_{5} / \varphi_{8} \tag{2013} \tag{2013} Inspector: \$\varphi_{12} \varphi_{12} \varp

INSPECTION	70	VERA	L	NE REP	ED	COMMENTS/OBSERVATIONS	
AREA		CHECK ONE)		(✓ CHE			
Streets:	Good	Fair	Poor	Yes	No		
Villard St.	W				V		
Court St.	V/				V		
Commercial St.							
Baltimore St.	V				/	Road construction-49ths+ to commercial	
49 th St.		ć			V	Read CONSTRUCTION-Baltimore to Reat st	
Tract A (private)	1				V		
Lot #18 (private)		02 <i>00</i> 0-1011-101-000	anterior de la constantion de la const	***************************************		Grass, weeds	
View Point:	Good	Fair	Poor	Yes	No		
Parking Pad	V				V		
Gravel Path	1/				V	Giass, Weeds	
Display Boards	V			***************************************	1		
Storm Drains Clean:	Good	Fair	Poor	Yes	No		
Catch Basins	V				V		
BMPs:	Good	Fair	Poor	Yes	No		
Hydroseed	1				0		
(Other)	V				i		
Sidewalks:	Good	Fair	Poor	Yes	No/		
Damage	<i>\</i>				<i>y</i>		
Weeds		-	V				
Signage:	Good	Fair	Poor	Yes	No		
Perimeter "Advisory"	V				0		
No Trespass (Tunnel Hillside)	~	nopany was waren	no transporter				
Dust:	Good	Fair	Poor	Yes	No		
Excavation Areas	V				1/		
Fencing:	Good	Fair	Poor	Yes	No		
4' Site Perimeter	i/				V		
6' Temp. Panels						NA	
Street Lights:	Good	Fair	Poor	Yes	No	·	
Condition	V				V		
Site Markers:	Good	Fair	Poor	Yes	No		
Lot Numbers	V				V	hoft 23 is missing toporker	
Utilities			V	V		Sowet, Dounge	
Survey Stakes			1	V			
Retaining Walls:	Good	Fair	Poor	Yes	No /		
Baltimore	V				- /		
Lots 22/23/24		V				Grass weeks, materal	

STACK HILL - Weekly Site Inspection Report No. SH 2013-05/2 Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

Misc. notes:
hetc 182 grass, week, materials
Lot # 3 Materials
Lot to 4 EQUIDMENT
Lots 22/23/24 grass weeks, traderials
Lott 29 Materials, equipment
Lots 22/23/24 grass, weeds, traderials Lot # 29 Moderials, equipment Lot # 19 Maderials, equipment
, v ,
·

i certify that this r	report is true,	accurate and	complete, to	o the best of my knowledge and belief.
INSPECTOR:	DATE:	5/16/20	· <u>/3</u>	SIGNED: Hours. Slowegh
VIO C OFFICER	D. t. mr	-1. 1	,	



Weekly Site Inspection Report No. STR 2013-0512

Week of: 45/12 - 45/18 , 2013 Inspector: Harry Shughter
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	COI	VERA NDIT	L ION	NE REP	ED AIR? CK ONE)	COMMENTS/OBSERVATIONS
Streets: Surface Paint Splitter Islands Barricades	Good	Fair	Poor	Yes	No V	See Notes
Signage: Trespass Advisory Traffic Marketing	Good	Fair	Poor	Yes	No No	
Street Lights: Ruston Way 51 st Street Baltimore Yacht Club Junction Boxes	Good	Fair	Poor	Yes	No /	
Storm Drains: Curb/Gutter CBs Filterras	Good	Fair	Poor	Yes	No	See Notes
Sidewalks: Paint Crossings Bollards	Good	Fair	Poor	Yes	No	
Landscaping: Trees Plants Sprinkler Bark/Mulch	Good,	Fair	Poor	Yes	No V	
Roundabouts: Grand Yacht Club	Good	Fair	Poor	Yes	No	
Features: Wall/Rail Development Sign	Good	Fair	Poor	Yes	No	

STREETS - Weekly Site Inspection Report No. STR 2013-05/2

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

Gates:	Good Fair	Роог	Yes	No	
Cooling Pond – West					
Cooling Pond – North					
Lot #12					
Lot #10 – West					
Lot #10 – North					
BNSF – A					
OSW02					
Grand – East					
Grand – West				1	
Cascade					
Yacht Club - North					
Yacht Club - South					
				en e	
Other:	Good Fair	Poor	Yes	No /	
Roundabouts				1	
Jersey Barriers		 			
Baltimore Bridge	/	 			
	<u> </u>		L.	en lanna anna anna anna anna anna anna a	
	OGNICH CHANGE OF THE PARTY OF T	in the transmission of the second second			
Misc. notes:					
Dearl garse in	Nauthe.	~_Pu	11:01) l. m	. O I what well
112.000 Ota	15000	<u> </u>	111.	<u> </u>	on Puston Way
100000	2100	2	XIII	61.7	OK) FISHON WILL
Tite tranks con	A				
Sidelialk Crack	Sed , R.	1240V	<u>ىل</u>	<u>iy @</u>	DTTC 4/5/6
		····		<u> </u>	
		······································		***************************************	
	***************************************			······································	
	······································				

	and the second s		W-10-10011112-19-011	obbutoka kanaka piras (18	
certify that this report i	s true, accu	rate an	d com	iplete, 1	to the best of my knowledge and belief.
	S = 1.	,			CA.
NSPECTOR: DATE:	05/16	/ 2c	13	S	SIGNED: Jany & Stoney
					V
2 Told 1435044 1850800 1 500000	-1	, ,	,		GIOLIDA A
REVIEWED: DATE:	5/6	201/	<u> </u>	-	SIGNED:
	1				



TEMPORARY IMPERMEABLE CAP

Wee	ekly	Site	Inspe	ction	ı Report No.	TIC 20)13-	0512	7	
	(MM)	(DD)	(MM)	(DD)						
k of.		1000	ا سبو است	() (E)	2042	Inchastari	٩ ١	<i>a</i> 1	1.1	

Week of: 05 112-051/8, 2013 Inspector: Harry Skurgh to Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

Operable C	JIIIL UZ — A	Saicoi	acuma 3	meiter Site (Point Ruston)		
INSPECTION AREA	OVERAL CONDITION	CLEAN?	NEED REPAIR?	COMMENTS/OBSERVATIONS		
Lot 1 Geomembrane Sand Bag Cover Anchor Edge Berm Drainage Other	Good Fair Poor	Yes No	Yes No	Pooling		
Lot 3 Geomembrane Sand Bag Cover Anchor Edge Berm Drainage Other	Good Fair Poor	Yes No	Yes No			
Lot 4 Geomembrane Sand Bag Cover Anchor Edge Berm Drainage Other	Good Fair Poor	Yes No	Yes No	Peoling		
Lot 5/6 Geomembrane Sand Bag Cover Anchor Edge Berm Drainage Other	Good Fair Poor	Yes No	Yes No	Pooling		
Lot 7 Geomembrane Sand Bag Cover Anchor Edge Berm Drainage Other	Good Fair Poor	Yes No	Yes No	Poling		
Lot 9/11 Geomembrane Sand Bag Cover Anchor Edge Berm Drainage Other	Good Fair Pool	Yes No	Yes No	Parling		
Lot 14 Geomembrane Sand Bag Cover Anchor Edge Berm Drainage Other	Good Fair Poo	Yes No	Yes No	tooling		

IENIPURART CAF - WEEKIY SILE HISPECTION TOPOLLIS

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	ON CON	/ER/		CLE	AN?	9	ED AIR?	COMMENTS/OBSERVATIONS
Lot 16 Geomembrane Sand Bag Cover Anchor Edge Berm Drainage Other	Good	Fair	Poor	Yes	No	Yes	No	Fuel Storage Myter trucks
Lot 17/18 Geomembrane Sand Bag Cover Anchor Edge Berm Drainage Other	Good V	Fair	Poor	Yes V V	No	Yes	No /	Popling
MMZ (Lot 15) Stock Piles Drainage Other	Good	Fair	Poor	Yes	No	Yes	No V	- NO TIC

Misc. notes:									
MMZ; Equipment, Materials									
,	•				(s				
Pooling	15 TEM	CEARY	Aus	DISSIBATE	8 AFTER	RAN EVEUTS			
		م							

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE:

 $\frac{05/17/20/3}{5/24//3}$ SIGNED: $\frac{1}{2}$ REVIEWED: DATE:



WATERWALK

Weekly Site Inspection Report No. WW 2013- \$\tilde{\pi} \size 12

Week of: 05 1/2 - 05 1/8, 2013 Inspector: Harry Staughter

Operable Unit 02 - Asarco Tacoma Smelter Site (Point Ruston)

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Rนston)									
INSPECTION AREA	OVERAL CONDITION (\(CHECK ONE)			NE		COMMENTS/OBSERVATIONS			
I (of Ecoto) (/ IREI				REP.		COMMENTS/ODGERVATIONS			
Paths:	Good	Fair	Poor	Yes	No	See Notes			
Asphalt	V			V					
Gravel					1				
Signage:	Good	Fair	Poor	Yes	No				
Perimeter/Trespass	V				V				
Perimeter/"No Access"	V	/			V				
Park Rules	V	/			V				
(Other)	V				V				
Street Lights:	Good	Fair	Poor	Yes	No	·			
Junction Boxes	1/				1/.				
Poles	V.				7				
Bulbs					V				
Banners					V	No banners can L.P. # 22 F23			
Storm Drains:	Good	Fair	Poor	Yes	No				
Area Drains	6								
Clean Outs	V		 		V	,			
Octopus:	Good	∕ Fair	Poor	Yes	No				
Tile	1/				1				
Grout	U	/			V	,			
Paint	V				V	Stains, tire marks			
Intersection #1:	Good	Fair	Poor	Yes	No				
Tile					1				
Grout	V								
Paint		V		V		Stains Tire Marks			
Intersection #2:	Good	Fair	Poor	Yes	No	Stains, Tire Marks Needs to be Geaved			
Tile	V				V,				
Grout	V	/			V				
Paint					V	Staws, Tite Marks			
Intersection #3:	Good	Fair	Poor	Yes	No	Needs to be Cleaned			
Tile	1/								
Grout	V								
Paint						Stains, Tite Marks.			
Intersection #4:	Good	Fair	Poor	Yes	No				
Tile					1/	Tire Morks			
Grout	V				V				
Paint	V				V				

WATERWALK - Weekly Site Inspection Report No. WW 2013- Φ5/2 Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

Sprinkler:	Good	Fair	Poor	Yes	No	
Heads	V					×
Valve Boxes						
Landscaping:	Good	Fair	Poor	Yes	No	
Trees	1				V	
Plants	V.				V	
Grass	V				i/	
Bark/Mulch					<i>U</i>	
Hardware:	Good	Fair	Poor	Yes	No	
Cleat Benches	V				V	
Tables					V	
Trash Cans						
Gates:	Good	Fair	Poor	Yes	No	
Ferry – South	V				/	
TIC - 3/4	V				V	
Intersection #1	V				V	
Intersection #2	V				1	
Intersection #3	w	4				
Grand Plaza	V				0/	
Intersection #4	V	,			1	
Peninsula - North	V				V	
Grand Plaza:	Good	Fair	Роог	Yes	No	
Lights	V,				V	
Concrete	1				V	
Rails	V				V	
Big Toy:	Good	Fair	Poor	Yes	No	
Block Wall	V				1	
Sign	V				V	
Boardwalk/Benches	V				V	
Swings	1/				V	
Chips	W				V	
Other:	Good	Fair	Poor	Yes	No	
Coyotes		1			V	faint is peoling
Tide Pool						

Misc. notes (use continuation sheet if necessary):	
Asphalt is Etacked by L.P. #7	
Hole Neat Sprinkler Head @ Intrection +2	

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR:	DATE:	05/15/2013	SIGNED:	Harry D. Slought
		, 4		
REVIEWED: I	DATE:	5/26/13	SIGNED:	
		7 7	· <	



PENINSULA

		V	/eek	ly Sit	e Ins	pection Report No. PEN 2013- అక్కు
Week of: 451/2	_ - {	751	18	, 201	13	Inspector: Tim Rusher
	<u>Unit</u>	<u>02 – </u>	Asa	rco 1	Tacor	na Smelter Site (Point Ruston)
INSPECTION AREA	CON	VERA VDIT	ION	REP.	ED AIR? ck one)	COMMENTS/OBSERVATIONS
Fence: Perimeter Exclusion Zone Silt	Good	Fair	Poor	Yes	No V	
Source Area: Drainage BMPs Equipment Metro Parks Materials	Good V	Fair	Poor	Yes	No	BIG METH CASINGS ARE MOJER AROUNDAS NEEDER DURING EXCHUATION.
Haul Road: Road Base Gravel Cover Drainage Metro Parks Materials	Good	Fair	Poor	Yes	No V	
Peninsula Liner: Geomembrane Soit Gravel Cover Marker Fabric Drainage	Good	Fair	Poor	Yes	No V	IN PROGRESS IN PROGRESS IM PROGRESS
Other Features: Shoreline Armoring Habitat Basin City Outfall	Good	Fair	Poor	Yes	No No	
Misc. notes:						

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE: 5/29/13 SIGNED:

H&S OFFICER: DATE: 5/29/13 SIGNED:



GENERAL SITE

Weekly Site Inspection Report No. GEN 2013-95/9

Week of: 051 - 051 25 , 2013 Inspector: TIM RUSHER Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

- Operable		والاستان ويورون المال				na Smeller Site (Point Ruston)	
INSPECTION AREA	CO	VERA NDIT CHECK O	ION	REP.	ED AIR? CK ONE)	COMMENTS/OBSERVATIONS	
Gates:	Good	Fair	Poor	Yes	No	(See "Streets" Report for additional gates)	
Slag Peninsula	/				V		
52 nd Street	-				1		
54 th Street (electric)							
Signage:	Good	Fair	Poor	Yes	No /		
Gates			<u> </u>		/		
Perimeter					/		
Safety					 */-		
	Good	Fair	Poor	Yes	No		
Security:	GOOU	rall	F001	162	NU		paste
Locks	V				V	INSTAULED KNOWBOX SWITCH AT GOND GATE FOR RUSTE	られた
Alarms	V_				-		
Cameras	ļ	~			\ <u> </u>		
BMPs:	Good	Fair	Poor	Yes	No		
Silt Fence					/		
Waddles	V				1		
Nursery:	Good	Fair	Poor	Yes	No		
Plants	V				V		
Sprinkler	1				V		
Weeds							
Stockpiles:	Good	Fair	Poor	Yes	No		
Envirotac II	1		<u> </u>	l			
Plastic	1			l	1		
Packed	1		 	 	1		
Grass	Ť				1/		
<u> </u>	Good	Fair	Poor	Yes	No		
Dust:	G000	ran	Poor	res	NO	REVIEWED DUET CONTROL WITH ECONOMONT	
Traffic areas	1		<u> </u>	V -		CHERTORS. SLOW DOWN 1= NEEDED TO	
Excavation area					V	PREVENT DUST.	
Fencing:	Good	Fair	Poor	Yes	No		
Site Perimeter					6		
Zone Separation	V				V		
CRZs:	Good	Fair	Poor	Yes	No		
Area D					V		
(Other)			1				
Haul Roads:	Good	Fair	Poor	Yes	No		
Main Street		 			1		
Grand Ave.	-	 	 	 	1		
OCF road	-	<u> </u>	 	 	 	(166.5)	
Metr.Pks-Peninsula						CLOSED	
Land to a difficult	<u> </u>	1	<u> </u>	<u> </u>	T A		

GENERAL SITE - Weekly Site Inspection Report No. GEN 2013- Ø5/9 Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

Misc. notes: ♦ 5/20	VALUUM TEST T.I.C. 64 REDARS (PASSERS)
,	
·	
·	

Air Monitoring:

Air IVIO	nitor	ing:				
Day of	Week	Hi-Vol QTY	Real Time	Personal QTY	Portable QTY	Air Monitoring Notes
Sun	19	5	4	Ø	Ø	No WORK ACTIVITY (RUNUNG 24/7)
Mon	295	5	4	Ø	Ø	HAML M. P. BORDONSONS TO PEUNSALA, INSTITULINER ONPER
Tue	21	5	4	Ø	Ø	WET SOIL GNEWHOUS / MINIMAL PENINGER RA HOTIVITY
Wed	22	5	4	Ø		NOON-SITE ACTIVITY (TOOWER) OFFSITE WORK ON STACK HILL
Thu	23	5	4	Ø	Ø	11 // 11
Fri	24	5	4	Ø	Ø	11 / 11
Sat	25	5	4	Ø	9	No SITE ACTIVITY (HOLIDAN WEEKEUD)

WEATHER:

						Sumi	mary o	of Weather Conditions
Day of	ſ Week	TEMPERA LOW	TURE (F) HIGH			RAIN (INCHES)	OTHER	
Sun	19	51	76	W	2	7	.054	Mostly Cloupy
Mon	20%	46	73	NW	2	10	.184	MORNING RAIN MOSTLY SUNDA YHIGH GOV
Tue	21	46	64	SW	6	13	.54	MORNING RAY / APPERNOON CLEARINGS
Wed	22	45	59	55W	5	18	.83	MOSTER (HONDY /SENTERFO SHOWERS
Thu	23	44	59	5	2	18		ا ا ا ا ا ا ا ا ا ا ا ا ا ا ا ا ا ا ا
Fri	24	46	75	SW	3	12	Ø	CLOUDY WITH SUN BREAKS/SCATTERED DRIZZLES
Sat	25	50	700	SW	3	9	Ø	Mostly Cloupy

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

	1 1		
INSPECTOR: DATE:	5/29/	1.5	SIGNED

H&S OFFICER: DATE: 5/28/13 SIGNED:



Weekly Site Inspection Report No. SH 2013- 05 19

Week of: 15 169 - 05 125, 2013 Inspector: Harry Standing Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	CON	VERA	L ION	NE REP.	ED AIR?	COMMENTS/OBSERVATIONS
Streets: Villard St. Court St. Commercial St. Baltimore St. 49 th St. Tract A (private) Lot #18 (private)	Good V	Fair	Poor	Yes	No V	Read Construction: See Notes
View Point: Parking Pad Gravel Path Display Boards	Good	/ Fair	Poor	Yes	No V	Grass, Weeds
Storm Drains Clean: Catch Basins	Good	Fair	Poor	Yes	No V	
BMPs: Hydroseed (Other)	Good	Fair	Poor	Yes	No /	
Sidewalks: Damage Weeds	Good	Fair	Poor	Yes	No V	
Signage: Perimeter "Advisory" No Trespass (Tunnel Hillside)	Good	Fair	Poor	Yes	No No	
Dust: Excavation Areas	Good	Fair	Poor	Yes	No	
Fencing: 4' Site Perimeter 6' Temp. Panels	Good	Fair	Poor	Yes	No /	NA
Street Lights: Condition	Good	Fair	Poor	Yes	No	
Site Markers: Lot Numbers Utilities Survey Stakes	Good	Fair	Poor	Yes	No 1	Sewet, Drawings
Retaining Walls: Baltimore Lots 22/23/24	Good	Fair	Poor	Yes	No.	

STACK HILL - Weekly Site Inspection Report No. SH 2013- Ø519

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

Misc. notes:
Gross + weeds Need to be Cut.
hot # 39 Equipment Materials New Cutb gutter & Side Walk Baltimore St. from 49th to Bridge Lots # 14 \$15 Equipment materials; Ditt on pood / Walk. Lot # 19 loose Soir, Material, Equipment
New Cutb gutter & Side Walk Baltimore St. From 49th to Bridge
hots # 14 \$15 Equipment, materials; Dirt on pood /walk.
Lot 19 loose Soil, Material, Equipment
certify that this report is true, accurate and complete, to the best of my knowledge and belief.
INSPECTOR: DATE: 05/24/2013 SIGNED: Havy O. Stoughton
H&S OFFICER: DATE: 5/28//3 SIGNED:



Weekly Site Inspection Report No. STR 2013- \$\psi \sigma 19

Week of: 15 1/9 - 05 1 25, 2013 Inspector: Harry Shareher Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITIO (* CHECK ONE)	N RE	EED PAIR? ieck one)	COMMENTS/OBSERVATIONS
Streets: Surface Paint Splitter Islands Barricades	Good Fair F	Poor Yes	No V	Weeds, Grass
Signage: Trespass Advisory Traffic Marketing	Good Fair F	Poor Yes	No V	
Street Lights: Ruston Way 51 st Street Baltimore Yacht Club Junction Boxes	Good Fair F	Poor Yes	No V	
Storm Drains: Curb/Gutter CBs Filterras	Good Fair I	Poor Yes	No V	
Sidewalks: Paint Crossings Bollards	Good Fair I	Poor Yes	No No	
Landscaping: Trees Plants Sprinkler Bark/Mulch	Good Fair 1	Poor Yes	No V	
Roundabouts: Grand Yacht Club	Good Fair I	Poor Yes	No V	
Features: Wall/Rail Development Sign	Good Fair	Poor Yes	No W	

STREETS - Weekly Site Inspection Report No. STR 2013- \$\phi S \ 1 \ 9 \ Operable Unit 02 - Asarco Tacoma Smelter Site (Point Ruston)

Gates:	Good	Fair	Poor	Yes	No	
Cooling Pond – West					،	
Cooling Pond – North	المستهمين					
Lot #12	V					
Lot #10 – West	1//					
Lot #10 – North	V				/	
BNSF – A	ن ا					
OSW02	· ·					
Grand – East	3/				1/	
Grand – West						
Cascade					<i></i>	
Yacht Club - North	V				<u></u>	
Yacht Club - South						
	politica de la compositorio de l	punumunan	yannanan ya	- THE CONTRACT OF THE CONTRACT	da gartire was stated and	
Other:	Good	Fair	Poor	Yes	No	
Roundabouts	V				1/	Grass Fluerols in the bricks
Jersey Barriers						
Baltimore Bridge	V				1	

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			***************************************	, , ,, ,,		
			······································			

certify that this report is	s true,	accui	ate an	d com	plete,	to the best of my knowledge and belief.
SPECTOR: DATE:	わち	124.	1:00	12		SIGNED: How a. Slower to
	<u> </u>	<u> </u>	<u>- f - ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ </u>			The state of the s
			/ .	/, .		
EVIEWED: DATE:		5/	281	' /_3		SIGNED:



TEMPORARY IMPERMEABLE CAP

Weekly Site Inspection Report No. TIC 2013- 05 19

Week of: 05 1/9 - 05125, 2013 Inspector: Harry Shunghten
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION	CLEAN?	NEED REPAIR?	COMMENTS/OBSERVATIONS
Lot 1 Geomembrane Sand Bag Cover Anchor Edge Berm Drainage Other	Good Fair Poor	Yes No V V V V	Yes No	Pooling alone the edges
Lot 3 Geomembrane Sand Bag Cover Anchor Edge Berm Drainage Other	Good Fair Poor	Yes No	Yes No	Pooling alone the edges
Lot 4 Geomembrane Sand Bag Cover Anchor Edge Berm Drainage Other	Good Fair Poor	Yes No	Yes No	Pooling
Lot 5/6 Geomembrane Sand Bag Cover Anchor Edge Berm Drainage Other	Good Fair Poor	Yes No	Yes No	frolling along edge, the middle
Lot 7 Geomembrane Sand Bag Cover Anchor Edge Berm Drainage Other	Good Fair Poor	Yes No	Yes No	Boling above edges & the Middle Drain & creeks Read Cleaning
Lot 9/11 Geomembrane Sand Bag Cover Anchor Edge Berm Drainage Other	Good Fair Poor	Yes No	Yes No	Pooling above edges e Grand Ave
Lot 14 Geomembrane Sand Bag Cover Anchor Edge Berm Drainage Other	Good Fair Poor	Yes No	Yes No	Extra South boys

TEMPORARY CAP - Weekly Site Inspection Report No. TIC 2013- OSIG Operable Unit 02 - Asarco Tacoma Smelter Site (Point Ruston)

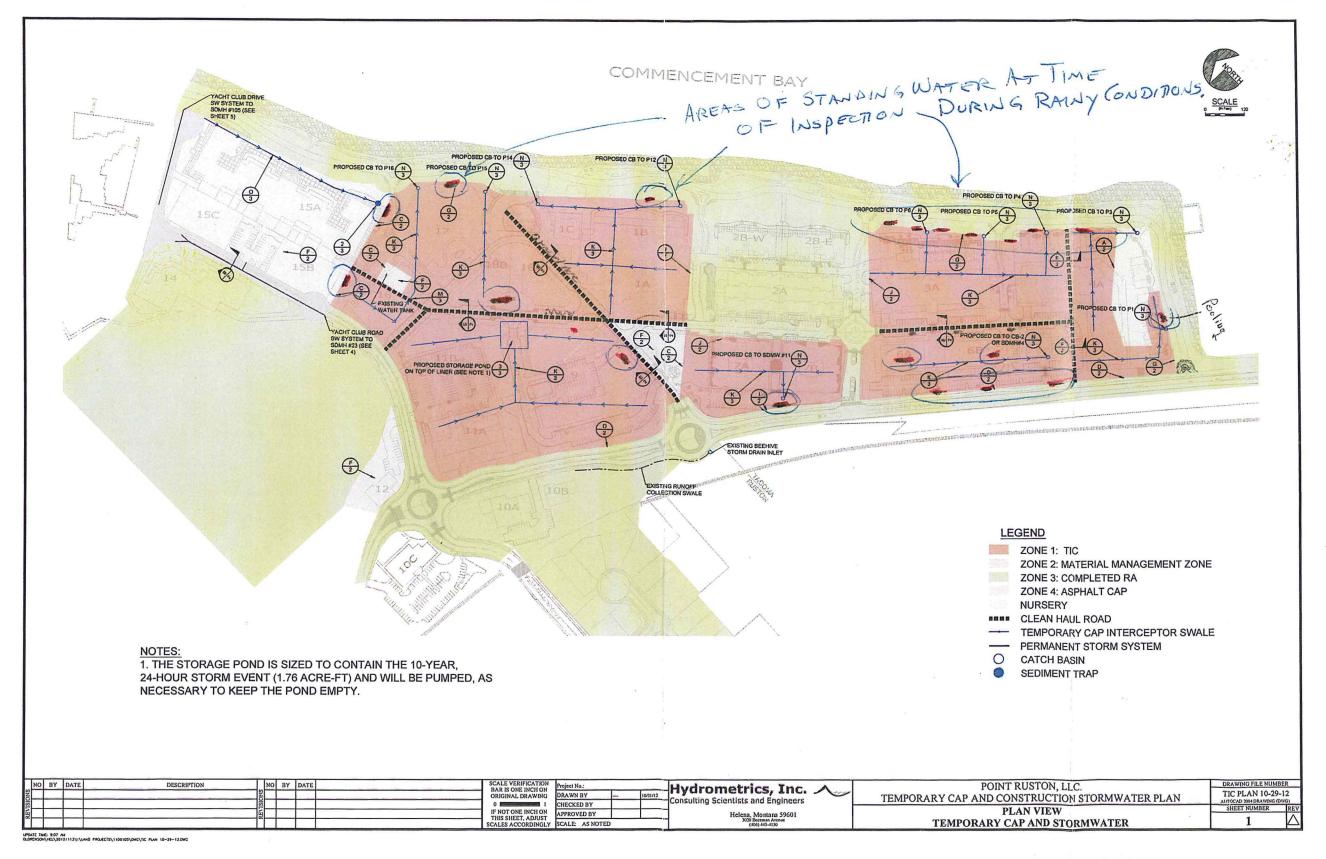
INSPECTION AREA	OV CON	ERA DIT		CLE	AN?	NEED REPAIR?		COMMENTS/OBSERVATIONS		
Lot 16	Good	Fair	Poor	Yes	No	Yes	No .	Temp Cap gravel, Storage tanks		
Geomembrane				i		ļ	1	tuel #Kerosebe.		
Sand Bag Cover	V_{\downarrow}			V			1	Biffiel TIC Conserge		
Anchor Edge Berm	V			V				Vehicle Sterage (3)		
Drainage	1/			i/				Τ		
Other										
Lot 17/18	Good	Fair	Poor	Yes	No	Yes	No			
Geomembrane		,-		V				tooling alone edges		
Sand Bag Cover				V				J		
Anchor Edge Berm										
Drainage		 					L			
Other										
MMZ (Lot 15)	Good	Fair	Poor	Yes	∕ No	Yes	No	Equipment, Materials, EZ tance		
Stock Piles	7				,		V	Temp Cap; attive		
Drainage				1/			V	the state of the s		
Other	-									

Misc. notes:
Lot#12: Sand has cover, Anchor edge Borne Drawage Geomembrance
Lot#12: Sand hag Cover, Anchor edge Borni Dainage, Geomembrance are good, TIC is Clean, No Reports are Neederl.
V
See Site map for pooling pounding locations
, , , , , , ,
NOTE! POOLING ORSTANDING WATER DESERVATIONS WERE MADE
NOTE! POOLING ORSTANDING WATER DESERVATIONS WERE MADE DURING RAINY CONDITIONS.

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE: 05/.23/20/3 SIGNED: Lawy Slought

REVIEWED: DATE: 5/28//3 SIGNED:





WATERWALK

Weekly Site Inspection Report No. WW 2013- ゆち19

Week of: 05 /19 -05 /25 , 2013 Inspector: Harry Shughter
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVER. CONDIT	OVERAL CONDITION (* CHECK ONE)		ED AIR? CK ONE)	COMMENTS/OBSERVATIONS
Paths: Asphalt Gravel	Good Fair	Poor	Yes	No No	Needs to be Cheaved
Signage: Perimeter/Trespass Perimeter/"No Access" Park Rules (Other)	Good Fair	Poor	Yes	No No	
Street Lights: Junction Boxes Poles Bulbs Banners	Good Fair	Poor	Yes	No No	
Storm Drains: Area Drains Clean Outs	Good Fair	Poor	Yes	No	
Octopus: Tile Grout Paint	Good Fair	Poor	Yes	No	City into The Attories
Intersection #1: Tile Grout Paint	Good Fair	Poor	Yes	No	Stains, The Marks
Intersection #2: Tile Grout Paint	Good Fair	Poor	Yes	No */	Tire Marks, Stains The Marks, Stains
Intersection #3: Tile Grout Paint	Good Fair	Poor	Yes	No No	The Marks, Strains
Intersection #4: Tile Grout Paint	Good Fair	Poor	Yes	No .	Tire Marks

WATERWALK - Weekly Site Inspection Report No. WW 2013- ♡S ▷ Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

						
Sprinkler:	Good	Fair	Poor	Yes	No	
Heads						
Valve Boxes						
Landscaping:	Good	Fair	Poor	Yes	No	
Trees	1					
Plants						
Grass				8/		Needs to be recut.
Bark/Mulch	<i>'</i>				V	
Hardware:	Good	Fair	Poor	Yes	No	
Cleat Benches					V	
Tables						
Trash Cans	1					
Gates:	Good	Fair	Poor	Yes	No /	
Ferry - South	V					
TIC - 3/4		-		***************************************	V	
Intersection #1		·				
Intersection #2						
Intersection #3		_				NA
Grand Plaza					1/	
Intersection #4	V					
Peninsula - North	1				U	
Grand Plaza:	Good	Fair	Poor	Yes	No	
Lights		×			1	
Concrete	V				V	
Rails						
Big Toy:	Good	Fair	Poor	Yes	No	
Block Wall						
Sign					1	
Boardwalk/Benches		_			V	
Swings		- P			V	·
Chips					1	
Other:	Good	Fair	Poor	Yes	No	

Misc. notes (use continuation sheet if necessary):
Sprinkler Good Intersection#2 @ growel party

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE:	25/24/2013	SIGNED: Lawy Sough	_
REVIEWED: DATE:	5/28/13	SIGNED:	
			_

Coyotes Tide Pool



PENINSULA

Weekly Site Inspection Report No. PEN 2013- 65/

_			4.00	A	200	O 1/	A	m . t. (m . (m .)	
Week of:	95 l	19	- 451	25	, 2013	Inspector:	Tim	Rustiak	
	(win)	(00)	(1666)	נטטן					

Operable	Unit 02 –	Asarco Ta	acoma 🤄	Smelter	Site	(Point I	Ruston)

		nantarium erenini,		_		na Smeller Sile (Point Ruston)
INSPECTION AREA	I AANTOTOTANT I		REP	ED AIR? CK ONE)	COMMENTS/OBSERVATIONS	
Fence: Perimeter Exclusion Zone Silt	Good	Fair	Poor	Yes	No V	
Source Area: Drainage BMPs Equipment Metro Parks Materials	Good	Fair	Poor	Yes	No No	
Haul Road: Road Base Gravel Cover Drainage Metro Parks Materials	Good	Fair	Poor	Yes	No V	
Peninsula Liner: Geomembrane Soil Cover Marker Fabric Soil Cap Drainage	Good	Fair	Poor	Yes	No V	NOSTATE MONDAY ONLY THEN TOO WET
Other Features: Shoreline Armoring Habitat Basin City Outfall Hydro Seed	Good	Fair	Poor	Yes	No V	

Misc. notes:	

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE: $\frac{5/28/13}{28/13}$ SIGNED: SIGNED: SIGNED:



GENERAL SITE

Weekly Site Inspection Report No. GEN 2013- 必らよし

Week of: \$\varphi 5 \langle 126 - \varphi 6 \langle 7 \rangle, 2013 Inspector: \(\int_{IM} \) \(\int_{US} \rangle F \rangle R \)

Operable Unit 02 - Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	CON	VERA NDIT	ION	ı	ED AIR?	COMMENTS/OBSERVATIONS
Gates: Slag Peninsula 52 nd Street 54 th Street (electric)	Good	Fair	Poor	Yes	No V	(See "Streets" Report for additional gates)
Signage: Gates Perimeter Safety	Good V	Fair	Poor	Yes	No No	
Security: Locks Alarms Cameras	Good	Fair	Poor	Yes	No	
BMPs: Silt Fence Waddles	Good	Fair	Poor	Yes	No i	EROSION ON PEULASULA (2-LOUPTIONS) HEEDS REPAIR
Nursery: Plants Sprinkler Weeds	Good	Fair	Poor	Yes	No L	WEDING IN PROGRESS
Stockpiles: Envirotac II Plastic Packed Grass	Good	Fair	Poor	Yes	No No	
Dust: Traffic areas Excavation area	Good	Fair	Poor	Yes	No.	WETGNATIONS THEWERK
Fencing: Site Perimeter Zone Separation	Good	Fair	Poor	Yes	No No	
CRZs: Area D (Other)	Good	Fair	Poor	Yes	No	
Haul Roads: Main Street Grand Ave. OCF road Metr.Pks-Peninsula	Good	Fair	Poor	Yes	No V	C105 A)

GENERAL SITE - Weekly Site Inspection Report No. GEN 2013- ② ろ 文と Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

Misc. notes: MOUDAY 5/27 MEMORIA DAY - NO WORK ACTIVITY Soil SAMPLING M.P. SOURCE AREA + PENISONIA CAP. OCF LEACHATE DISPOSAL FRIDAY 5/31. (NOW-REG.)	
◆ Soil SAMDLING M.P. Source AREA + PEULSONL+ CAD.	
OCF LEACHATE DISDOSAL FRIDAY 5/31. (NOW-REG)	

Air Monitoring:

Day of	Week	Hi-Vol QTY	Real Time	Personal QTY	Portable QTY	Air Monitoring Notes
Sun	26	5	T	Ø	Ø	No Site Activity
Mon	27	5	4	Ø	Ø	No WORK ACTIVITY SOIL COUDTIONS NO EXCEED ANCE
Tue	28	5	4	Ø	Ø.	NOWORK ACTION /OCF VALLET HIVEL CALIBRATERS
Wed	29	5	4	Ø	Ø	NO WORK ACT VITY OCF-NW HIVOL CALIBRATED
Thu	3ø	5	4	Ø	05	GOURDATWEEN BENNO CURE IN SARR BENNETT.
Fri	31	5	4	Ø	Ø	SITE MONITORING HAMISTENANCE / LOT FIS + BATTIMORE
Sat	6/1	5	4	Ø	Ø	No WORK ACTIVITY
783 4 78	מינוני	_				J

WEATHER:

						Sum	mary o	f Weather Conditions
Day of	Week	TEMPERA LOW	TURE (F)	DIRECTION	IND (MPH)	GUST	RAIN (INCHES)	· OTHER
Sun	26	5ø	74	WSW	2	14		MOSTLY CLONDY / MORNING + EVENING SHOWERS
Mon	27	5¢	62	SSW	l	-		MOSTLY CLOUBY & SLATTERIN SHOWERS
Tue	28	51	68	52	7	13	8 1	MOSTLY CLOUDY WITH SUNBREAKS
Wed	29	49	66	SW	4	25		MORNING RAID / AFTERNOON CLOUDS
Thu	3 ¢	49	67	55W	5	19	t 1	MOSTLY CLONDY WITH SUUBREAKS
Fri	31	5ø	80	WSW	l	ું		PARTLY CLOUPY
Sat	6/1	51	84	WWW	1	100	Ø	Mostly Sunsy

			-	
I certify that this report is true.	accurate and complete.	to the best of my	knowledge and	belief.

INSPECTOR: DATE:	6/3/13	SIGNED:
H&S OFFICER: DATE:	6/3/13	SIGNED:



Weekly Site Inspection Report No. SH 2013-

Week of: <u>ชร์ ไว้6 - ชุธิไซ์/</u>, 2013 Inspector: Tim Rusiner Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION (7 CHECK ONE)			NEED REPAIR? (* CHECK ONE)		COMMENTS/OBSERVATIONS
Streets: Villard St.	Good	Fair	Poor	Yes	No	
Court St. Commercial St.	V V			داد) (
Baltimore St. 49 th St.	<i>v</i>			-		WORK IN PROGRESS (SIDEWALK)
Tract A (private) Lot #18 (private)	V /			<u> </u>	✓	" CLOSED A- BALDMORE
View Point: Parking Pad	Good	Fair	Poor	Yes	No	
Gravel Path Display Boards		V		V		NEEDS MONIEY + WEEK KILLER
Storm Drains Clean: Catch Basins	Good	Fair	Poor	Yes	No	SHOWING WEAR + TEAR
BMPs: Hydroseed (Other)	Good	Fair	Poor	Yes	No	
Sidewalks: Damage	Good	Fair	Poor	Yes	No	NOW WALLS AWAS BAZTIMORE-IN PROGRE
Weeds				V		NEW SPRYED
Signage: Perimeter "Advisory" No Trespass (Tunnel Hillside)	Good	Fair	Poor	Yes	No	
Dust: Excavation Areas	Good	Fair	Poor	Yes	No	
Fencing: 4' Site Perimeter 6' Temp. Panels	Good	Fair	Poor	Yes	No	
Street Lights: Condition	Good	Fair	Poor	Yes	No	
Site Markers: Lot Numbers Utilities Survey Stakes	Good	Fair	Poor	Yes	No	
Retaining Walls: Baltimore Lots 22/23/24	Good	Fair	Poor	Yes	No No	

STACK HILL - Weekly Site Inspection Report No. SH 2013- Q 526 Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

Misc. notes: 🎄	IMPROVEMENTS ADDIS BALTIMORE CONTINUE
ertify that this re	port is true, accurate and complete, to the best of my knowledge and belief.
	, h
	DATE: $6/3/3$ SIGNED:
I&S OFFICER:	DATE: $6/3/3$ SIGNED:





Weekly Site Inspection Report No. STR 2013- 9526

Week of: $\sqrt{6} / \sqrt{6} /$

INSPECTION AREA	OVERAL CONDITION (CHECK ONE)		NE REP.	ED AIR?	COMMENTS/OBSERVATIONS	
Streets:	Good	Fair	Poor	Yes	No	
Surface	V				V	
Paint	V				V	
Splitter Islands				V		WERDS STARTING TE PEP Up NERD SAPAYIM
Barricades		-			L-	• ' ' ' '
Signage:	Good	Fair	Poor	Yes	No	
Trespass					L	
Advisory	1/				1	
Traffic	W			W		STREET SIEW ATERMAN ROBERT NOW NEWS REPATR
Marketing	1/	***************************************			سسا	7
Street Lights:	Good	Fair	Poor	Yes	No	
Ruston Way					V	
51st Street	V				V	_
Baltimore	V				V	PREPARING TO TINISH LIGHT BASES OUB MITMORE
Yacht Club	V				i de la companya della companya della companya de la companya della companya dell	-
Junction Boxes	$\overline{}$				V	
Storm Drains:	Good	Fair	Poor	Yes	⁻ No	
Curb/Gutter	V				V	
CBs	W				V	
Filterras	V				V	REMOVED LITTER AS NOMIEN
Sidewalks:	Good	Fair	Poor	Yes	No	
Paint	/				1	
Crossings	V				V	
Bollards					سسا	
Landscaping:	Good	Fair	Poor	Yes	No	
Trees		W		W		SOME DYING / DEAD - NEED REMOVED + RA
Plants					V	1 1
Sprinkler	1				4	
Bark/Mulch	W				V	MAY NEED MORE SOON
Roundabouts:	Good	Fair	Poor	Yes	No	
Grand	V				V	
Yacht Club	1				1	
Features:	Good	Fair	Poor	Yes	No	
Wall/Rail	V				Service .	
Development Sign					V	(STILL HAS MARLENE'S SIEW)

STREETS - Weekly Site Inspection Report No.

STR 2013- Ø526

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

Gates:	Cond	Fair	Poor	V	\ T	
Cooling Pond – West	Good	rair	Poor	Yes	No V	
Cooling Pond – West	ļ					
Lot #12					<i></i>	
Lot #10 – West						
Lot #10 – West Lot #10 – North	<u> </u>				V	
BNSF – A						
OSW02	<u> </u>				V/	
Grand – East	V				<u> </u>	
Grand – East Grand – West	\ <u>\</u>					
					V	
Cascade Veelt Clark North	\vdash				V	
Yacht Club - North	¥				¥	
Yacht Club – South	L V				V	
Other:	Good	Fair	Poor	Yes	No	
Roundabouts	7				V	
Jersey Barriers	×		<u> </u>		V	
Baltimore Bridge	V				1	
Cours A Bont	-, (ว็บส	2/312	C = 1	-040	DAMAGEO SION BASE ON 5/2/.
ertify that this report i	s true.	accu	rate ar	nd com	ıplete, 1	to the best of my knowledge and belief.
SPECTOR: DATE:	***************************************	6/3	3/1.			
EVIEWED: DATE:		6,	/3//	Sing Control of the C		SIGNED:



TEMPORARY IMPERMEABLE CAP

Weekly Site Inspection Report N	No. TIC 2013- φ526
Veek of: 05 126-060, , 2013	Inspector: Harry Slaughter
Operable Unit 02 – Asarco Tacom	a Smelter Site (Point Ruston)

				I	
INSPECTION AREA	OVERAL CONDITION	CLEAN?	NEED REPAIR?	COMMENTS/OBSERVATIONS	
Lot 1 Geomembrane (03/10/13) Sand Bag Cover Anchor Edge Berm Drainage Other	Good Fair Poor	Yes No	Yes No	Pooling / Ponting	
Lot 3 Geomembrane (03/04/13) Sand Bag Cover Anchor Edge Berm Drainage Other	Good Fair Poor	Yes No	Yes No	preduct barging	
Lot 4 Geomembrane (12/11/12) Sand Bag Cover Anchor Edge Berm Drainage Other	Good , Fair Poor	Yes No	Yes No	Proling New. State of Marsory	
Lot 5 (02/11/13) / 6 (01/1713) Geomembrane Sand Bag Cover Anchor Edge Berm Drainage Other	Good Fair Poor	Yes No	Yes No	Expected Rerm toe at Y Pooling /ponding	
Lot 7 Geomembrane (01/03/13) Sand Bag Cover Anchor Edge Berm Drainage Other	Good Fair Poor	Yes No	Yes No	Some Pooling / Ponding	
Lot 9/11 Geomembrane (04/05/13) Sand Bag Cover Anchor Edge Berm Drainage Other	Good Fair Poor	Yes No	Yes No	Reding /penaling	
Lot 12 Geomembrane (04/23/13) Sand Bag Cover Anchor Edge Berm Drainage Other	Good Fair Poor	Yes No	Yes No	Pooling Panding	

TEMPORARY CAP - Weekly Site Inspection Report No. TIC 2013- 4526 Operable Unit 02 - Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OV CON	ERA				NEED REPAIR?		COMMENTS/OBSERVATIONS
Lot 14	Good	Fair	Poor	Yes	No	Yes	No	
Geomembrane	2/			V			V	
Sand Bag Cover	V			V				
Anchor Edge Berm	1/						~	Born is opening
Drainage	V			V			V	Some Reding/PONDING
Other								
Lot 16	Good	Fair	Poor	Yes	No	Yes	No	Rutial TIC, Termp gravel
Geomembrane (04/16/13)	1/			V			V.	cop
Sand Bag Cover	6			V			V	Equipment, Materials, ruet -
Anchor Edge Berm	V	,		V			V,	Storage
Drainage	V			1/	1		V	
Other								
Lot 17/18	Good	Fair	Poor	Yes	Νο	Yes	No	Pooline /PONDING
Geomembrane (04/13/13)	V	2					V	
Sand Bag Cover	V	e de la companya de			1		V	•
Anchor Edge Berm	V			1/			V	
Drainage				V	1		V	Cleared drail
Other								
MMZ (Lot 15)	Good	Fair	Poor	Yes	No	Yes	No	Temp gravel cap
Stock Piles	w/			1/			V	, 3
Drainage	1/	1		V	1		i	
Other			1	ľ				Equipment moterials
	1	1	L	<u> </u>		<u> </u>	<u> </u>	man leve to the transport of the

Misc. notes:
Cleaned drain screens Lots # 1,17

I certify that this report is	s true, accurate and complete	e, to the best of my knowledge and belief.
INSPECTOR: DATE:	05/29/2013	SIGNED: Ham & Slaugh
REVIEWED: DATE:	6/3/13	SIGNED:



WATERWALK

Weekly Site Inspection Report No. WW 2013- Ø526

Week of: 5 126 - 611, 2013 Inspector: Tim Rusher

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	COL	VERA VDIT	ION	NEED REPAIR? (\(CHECK ONE)		COMMENTS/OBSERVATIONS
Paths: Asphalt Gravel	Good	Fair	Poor	Yes	No	STARTED SLOPE CORRECTIONS W/ROLLER
Signage: Perimeter/Trespass Perimeter/"No Access" Park Rules (Other)	Good	Fair	Poor	Yes	No V	
Street Lights: Junction Boxes Poles Bulbs Banners	Good	Fair	Poor	Yes	No D	
Storm Drains: Area Drains T.I.C Clean Outs	Good	Fair	Poor	Yes	No	CLEANED ÂREA DRANSIAS NEEDEN
Octopus: Tile Grout Paint	Good	Fair	Poor	Yes	No No	
Intersection #1: Tile Grout Paint	Good	Fair	Poor	Yes	No No	
Intersection #2: Tile Grout Paint	Good	Fair	Poor	Yes	No	
Intersection #3: Tile Grout Paint	Good	Fair	Poor	Yes	No No	SOME BIKE TIRE MARKS
Intersection #4: Tile Grout Paint	Good	Fair	- Poor	Yes	No	LOOKS LIKE IT NOODS WISHOU ASEMBO NO PANT

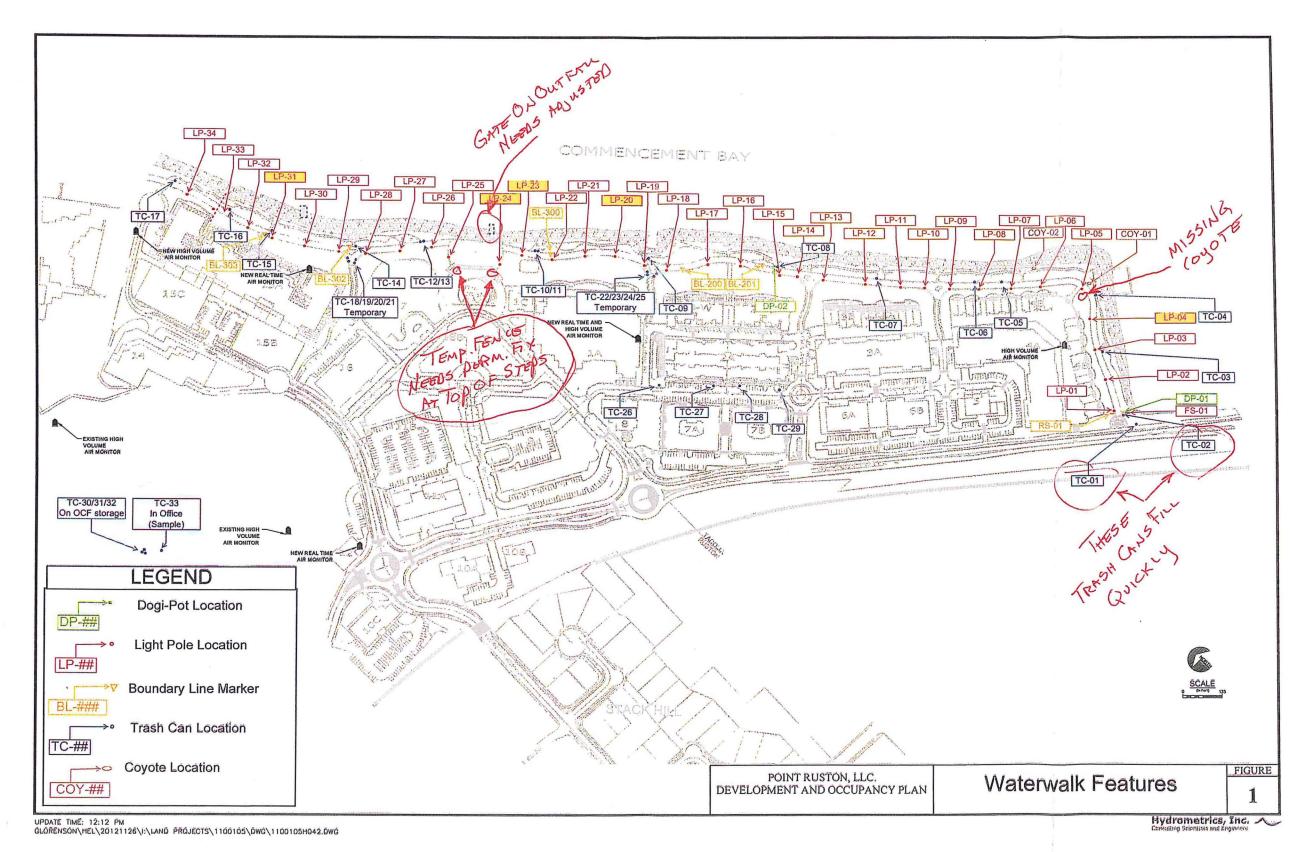
WATERWALK - Weekly Site Inspection Report No. WW 2013- 6526 Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

				Γ		
Sprinkler:	Good	Fair	Роог	Yes	No	
Heads	W/_				V	
Valve Boxes		**********			6	
Landscaping:	Good	Fair	Poor	Yes	No	
Trees	1/				60/	
Plants	V		_		•	NONCES A FOW UDROOTED PUNTS (RESOME DERK MOWED 5/30
Grass					1/	MOWED 5/30
Bark/Mulch	1/				V	,
Hardware:	Good	Fair	Poor	Yes	No	
Cleat Benches	V				V	
Tables	/	,			V	
Trash Cans					i	CHECKED 3 TIMES WEEKLY JEMOTISS
Gates: OUTFALL>	Good	Fair	Poor	Yes	No	CHECKED 3 TIMES WEEKLY FENDTIONS HWGE ON MIDDLE OUTFALL MEDUS REPAIR
Ferry – South	6				1	7
TIC – 3/4	\checkmark				$\sqrt{}$	
Intersection #1	V				J	
Intersection #2	V				\checkmark	
Intersection #3						GATE REMOVED - PUBLIC ACCESS
Grand Plaza						NOGATE
Intersection #4	V					
Peninsula - North	$\overline{}$				V	
Grand Plaza:	Good	Fair	Poor	Yes	No	
Lights	V				V	
Concrete	V				/	
Rails	V					NEON BETTER FIX ATTOOM STEDS
Big Toy:	Good	Fair	Роог	Yes	No	y y
Block Wall	V				V	
Sign	\checkmark				V	
Boardwalk/Benches	V				V	
Swings	V				V	
Chips			†			
Other:	Good	Fair	Poor	Yes	No	4
Coyotes		V		V	_	1 MISSING / NOW TO ADD MORE
Tide Pool					V	
<u> Laurent automorphism anno anno anno anno anno anno anno ann</u>	Antonio de la como	Lancing and the control of the cont	d	Lamento mano	domentos	

Misc. notes (use continuation sheet if necessary): 🎄	OBSERVED	MEDRO PARKS	PRESENCE ON
WATERWALK CHECKING THINGS			

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: 1	DATE:	6/3/13	SIGNED:
REVIEWED: I	DATE:	6/3/13	SIGNED:
		/ /	



WW 2013-0526



PENINSULA

INSPECTION AREA	OVERAL CONDITION			NE	ED AIR?	ma Smelter Site (Point Ruston) COMMENTS/OBSERVATIONS
		CHECK O			CK ONE)	
Fence: Perimeter	G000	rair	Poor	168	ivo	
Exclusion Zone	V					
Silt	V				· '	
Source Area:	Good	Fair	Poor	Yes	No	
Drainage	V				V	
BMPs	V				V	
Equipment	V				Jan-	
Metro Parks Materials	Y				\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	WELL CASINGE MIXED IN 18501 - A. TEPOF AT & DOWN INTO PITE
Haul Road:	Good	Fair	Poor	Yes	No	1000 (TO !) W 1/3(N 1 N 70 !) .
Road Base	√				V	
Gravel Cover	V				./	
Drainage	V				6	·
Metro Parks Materials	V					
Peninsula Liner:	Good	Fair	Poor	Yes	No	
Geomembrane	V				V	
Gravel Cover	V				V	BORROW PIT SOILS
Marker Fabric	1/				1,000	
Drainage	V			<u> </u>		LIENT EROSIAN (NOT. SINCE WANNED
Other Features:	Good	Fair	Poor	Yes	No	
Shoreline Armoring	V				V-	
Habitat Basin	V,		ļ		V	
City Outfall					**	
Aisc. notes:						
ertify that this report is	s true,	accui	rate an	nd com	plete, 1	to the best of my knowledge and belief.

Monthly Report 204, May 2013 Operable Unit 02 Asarco Tacoma Smelter Site

OUTFALL

MONITORING

DATA

Reference	Date	Description
Table 1 May 2013	Summary of May 2013 Outfall Data for As, Cu, and Zn	
1 4010 1	Table 1 May 2013	Compared to SOW Limit
Cmaatna	S 06/12/2012	Spectra Labs Project # 2013060034
Spectra 06/12/2013	Outfall Analysis Report for May Samples	

Table 1. Summary of May 2013 Outfall Data for As, Cu, and Zn Compared to SOW Limit

Location	As Conc. ppm	% of SOW Limit*	Cu Conc. ppm	% of SOW Limit*	Zn Conc. ppm	% of SOW Limit*
South Outfall	0.000	0.00%	0.000	0.00%	0.000	0.00%
OSW2	0.031	6.20%	0.006	1.27%	0.001	0.14%
North Outfall	0.036	7.25%	0.015	2.98%	0.016	3.25%

^{* 0.5} ppm is the limit of As, Cu, and Zn allowed as documented in the SOW.

^{**} NOTE: The South Outfall was abondoned on February 15, 2013.

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06/12/2013

Point Ruston 5219 N. Shirley St., Suite 100 Tacoma, WA 98407

Project: Tacoma Smelter (Outfalls)

Date Received: 06/03/2013 Spectra Project: 2013060034

Client ID	Spectra #	<u>Analyte</u>	Result	Units	Method	Matrix	Sampled	
TSM 0513406	1	Arsenic	0.050	mg/L	EPA 200.8	Water	05/06/2013	
TSM 0513406	1	Copper	0.029	mg/L	EPA 200.8	Water	05/06/2013	
TSM 0513406	1	Zinc	0.032	mg/L	EPA 200.8	Water	05/06/2013	
TSM 0513206	2	Arsenic	0.031	mg/L	EPA 200.8	Water	05/06/2013	
TSM 0513206	2	Copper	0.0066	mg/L	EPA 200.8	Water	05/06/2013	
TSM 0513206	2	Zinc	< 0.0005	mg/L	EPA 200.8	Water	05/06/2013	
TSM 0513413	3	Arsenic	0.024	mg/L	EPA 200.8	Water	05/13/2013	
TSM 0513413	3	Copper	0.0084	mg/L	EPA 200.8	Water	05/13/2013	
TSM 0513413	3	Zinc	0.013	mg/L	EPA 200.8	Water	05/13/2013	
TSM 0513213	4	Arsenic	0.028	mg/L	EPA 200.8	Water	05/13/2013	
TSM 0513213	4	Copper	0.0039	mg/L	EPA 200.8	Water	05/13/2013	
TSM 0513213	4	Zinc	< 0.0005	mg/L	EPA 200.8	Water	05/13/2013	
TSM 0513420	5	Arsenic	0.052	mg/L	EPA 200.8	Water	05/20/2013	
TSM 0513420	5	Copper	0.022	mg/L	EPA 200.8	Water	05/20/2013	
TSM 0513420	5	Zinc	0.024	mg/L	EPA 200.8	Water	05/20/2013	
TSM 0513220	6	Arsenic	0.029	mg/L	EPA 200.8	Water	05/20/2013	
TSM 0513220	6	Copper	0.0052	mg/L	EPA 200.8	Water	05/20/2013	
TSM 0513220	6	Zinc	< 0.0005	mg/L	EPA 200.8	Water	05/20/2013	

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06/12/2013

Point Ruston 5219 N. Shirley St., Suite 100 Tacoma, WA 98407

Project:

Tacoma Smelter (Outfalls)

Date Received: Spectra Project: 2013060034

06/03/2013

Client ID	Spectra #	Analyte	Result	Units	Method	<u>Matrix</u>	Date Sampled	
TSM 0513428	7	Arsenic	0.022	mg/L	EPA 200.8	Water	05/28/2013	
TSM 0513428	7	Copper	0.0071	mg/L	EPA 200.8	Water	05/28/2013	
TSM 0513428	7	Zinc	0.0029	mg/L	EPA 200.8	Water	05/28/2013	
TSM 0513228	8	Arsenic	0.029	mg/L	EPA 200.8	Water	05/28/2013	
TSM 0513228	8	Copper	0.0067	mg/L	EPA 200.8	Water	05/28/2013	
TSM 0513228	8	Zinc	< 0.0005	mg/L	EPA 200.8	Water	05/28/2013	
TSM 0613403	9	Arsenic	0.047	mg/L	EPA 200.8	Water	06/03/2013	
TSM 0613403	9	Copper	0.022	mg/L	EPA 200.8	Water	06/03/2013	
TSM 0613403	9	Zinc	0.025	mg/L	EPA 200.8	Water	06/03/2013	
TSM 0613203	10	Arsenic	0.038	mg/L	EPA 200.8	Water	06/03/2013	
TSM 0613203	10	Copper	0.0095	mg/L	EPA 200.8	Water	06/03/2013	
TSM 0613203	10	Zinc	0.0012	mg/L	EPA 200.8	Water	06/03/2013	

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June 12, 2013

Point Ruston 5219 N. Shirley St.

Suite 100

Tacoma, WA 98407

Units:

ug/L

Spectra Project:

2013060034

Applies to Spectra #'s

1 thru 10

QUALITY CONTROL RESULTS

ICP-MS Metals - EPA Method 200.8 - Water

Method Blank

Date Digested:

6/12/2013

Date Analyzed:

6/12/2013

Element	CAS#	Blank Result
Arsenic	7440-38-2	< 0.5
Copper	7440-50-8	< 0.5
Zinc	7440-66-6	< 0.5

Blank Spike (LCS)

Date Digested:

6/12/2013

Date Analyzed:

6/12/2013

	Spike	LCS	LCS	
Element	Added	Conc.	%Rec	
Arsenic	100.0	102.20	102.2	_
Copper	100.0	109.20	109.2	
Zinc	100.0	102.10	102.1	

LCS Recovery limits 85-115%

Matrix Spike/Matrix Spike Duplicate (MS/MSD)

Date Digested:

6/12/2013

Date Analyzed:

6/12/2013

Sample Spiked:

2013060034-1

	Sample	Spike	MS	MS	MSD	MSD	
Element	Conc.	Conc.	Conc.	%Rec	Conc	%Rec	RPD
Arsenic	50.08	100.0	145.70	95.6	154.70	104.6	9.0
Copper	28.63	100.0	126.20	97.6	133.00	104.4	6.7
Zinc	31.81	100.0	128.50	96.7	136.40	104.6	7.8

Recovery Limits 70-130%

RPD Limit 20

SPECTRA LABORATORIES

Steven G. Hibbs

Laboratory Manager

CHAIN OF CUSTODY RECORD

2013060034



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5/20/13	Dictal	9130	X		TSM 0513420			X		***************************************				
5/20/13	08W2	9:35	x		TSM 0513220		1	X	,					
5/28/13	Mulfall	8:50	1		TSM 0513428			X						
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OCF LEACHATE SAMPLING

DATA

Reference	Date	Description
Analysis	04/02/13	Spectra Labs Project # 2013030706 (shipped 5/31)

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04/02/2013

Point Ruston

5219 N. Shirley St.,

Suite 100

Tacoma, WA 98407

Project:

Tacoma Smelter

Client ID:

TSM 031329

Sample Matrix: Water

Date Sampled:

03/29/2013

Date Received: 03/29/2013

Spectra Project: 2013030706

Spectra Number: 1

Analyte

Result

Units

Method

Arsenic

4.8

mg/L

EPA 200.7

SPECTRA LABORATORIES

Steve Hibbs, Laboratory Manager a6/scj

Page 1 of 1

POINT RUSTON 5219 N. Shirley Street, Suite 100, Tacoma, WA 98407 Phone: 253-752-2185 Fax: 253-752-7083

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PERIMETER

AIR

MONITORING

DATA

(HIGH VOLUME)

Reference	Date	Description				
Spectra	04/29 - 05/03	Spectra Laboratories Project # 2013050101				
Speciia	04/29 - 03/03	Analysis Reports for As-Pb: OCF NW / OCF S / Lot 1A / Lot 4B				
Spectra	05/06 05/10	Spectra Laboratories Project # 2013050284				
Зресна	03/00 - 03/10	Analysis Reports for As-Pb: OCF NW/OCF S/ Lot 1A/Lot 4B/Lot 14				
Spectra	05/15 - 05/16	Spectra Laboratories Project # 2013050413 (Rush Analysis)				
Specifa	03/13 - 03/10	Analysis Report for As-Pb: Lot 1A				
Spectra	05/13 - 05/19	Spectra Laboratories Project # 2013050431				
Specifa	03/13 - 03/19	Analysis Reports for As-Pb: OCF NW/OCF S/ Lot 1A/Lot 4B/Lot 14				
Spectra	05/20 - 05/26	Spectra Laboratories Project # 2013050644				
- Specii а	03/20 - 03/20	Analysis Reports for As-Pb: OCF NW / OCF S / Lot 1A / Lot 4B / Lot 14				
Spectra	05/27 - 06/02	Spectra Laboratories Project # 2013060037				
Specifa	03/2/ 00/02	Analysis Reports for As-Pb: OCF NW / OCF S / Lot 1A / Lot 4B / Lot 14				

MAY 1 6 2013

SPECTRA Laboratories

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05/09/2013

Point Ruston 5219 N. Shirley St., Suite 100 Tacoma, WA 98407

Project:

Air Monitoring (hi-vol)

Date Received:

05/06/2013

Spectra Project: 2013050101

G11			D 1				Date
Client ID	Spectra #	Analyte	Result	<u>Units</u>	Method	Matrix	Sampled
8691834	1	Arsenic	< 0.00015	μg/m3	SW846 6020A	Filter	04/29/2013
8691834	1	Lead	< 0.00015	μg/m3	SW846 6020A	Filter	04/29/2013
8691833	2	Arsenic	< 0.00015	$\mu g/m3$	SW846 6020A	Filter	04/29/2013
8691833	2	Lead	< 0.00015	μg/m3	SW846 6020A	Filter	04/29/2013
8691832	3	Arsenic	0.00035	μg/m3	SW846 6020A	Filter	04/29/2013
8691832	3	Lead	0.00026	μg/m3	SW846 6020A	Filter	04/29/2013
8691831	4	Arsenic	0.00022	μg/m3	SW846 6020A	Filter	04/29/2013
8691831	4	Lead	0.00079	μg/m3	SW846 6020A	Filter	04/29/2013
8691830	5	Arsenic	0.00047	μg/m3	SW846 6020A	Filter	04/30/2013
8691830	5	Lead	0.0012	μg/m3	SW846 6020A	Filter	04/30/2013
8691829	6	Arsenic	0.00023	μg/m3	SW846 6020A	Filter	04/30/2013
8691829	6	Lead	< 0.00015	µg/m3	SW846 6020A	Filter	04/30/2013
8691828	7	Arsenic	0.0012	μg/m3	SW846 6020A	Filter	04/30/2013
8691828	7	Lead	0.0015	μg/m3	SW846 6020A	Filter	04/30/2013
8691827	8	Arsenic	0.00035	$\mu g/m3$	SW846 6020A	Filter	04/30/2013
8691827	8	Lead	0.0013	μg/m3	SW846 6020A	Filter	04/30/2013

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05/09/2013

Point Ruston 5219 N. Shirley St., Suite 100 Tacoma, WA 98407

Project:

Air Monitoring (hi-vol)

Date Received:
Spectra Project:

05/06/2013 2013050101

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Client ID_	Spectra #	Analyte	Result	Units	Method	Matrix	Sampled
8691825	9	Arsenic	0.00027	μg/m3	SW846 6020A	Filter	05/01/2013
8691825	9	Lead	0.00070	μg/m3	SW846 6020A	Filter	05/01/2013
8691824	10	Arsenic	0.00030	μg/m3	SW846 6020A	Filter	05/01/2013
8691824	10	Lead	0.00053	μg/m3	SW846 6020A	Filter	05/01/2013
8691823	11	Arsenic	0.00066	μg/m3	SW846 6020A	Filter	05/01/2013
8691823	11	Lead	0.00077	μg/m3	SW846 6020A	Filter	05/01/2013
8691822	12	Arsenic	0.00035	μg/m3	SW846 6020A	Filter	05/01/2013
8691822	12	Lead	0.0013	μg/m3	SW846 6020A	Filter	05/01/2013
8691821	13	Arsenic	0.00077	μg/m3	SW846 6020A	Filter	05/02/2013
8691821	13	Lead	0.0032	μg/m3	SW846 6020A	Filter	05/02/2013
8691820	14	Arsenic	0.0013	μg/m3	SW846 6020A	Filter	05/02/2013
8691820	14	Lead	0.0042	μg/m3	SW846 6020A	Filter	05/02/2013
8691819	15	Arsenic	0.00058	μg/m3	SW846 6020A	Filter	05/02/2013
8691819	15	Lead	0.00082	μg/m3	SW846 6020A	Filter	05/02/2013
8691818	16	Arsenic	0.00069	μg/m3	SW846 6020A	Filter	05/02/2013
8691818	16	Lead	0.0034	μg/m3	SW846 6020A	Filter	05/02/2013

SPECTRA LABORATORIES

Steve Hibbs, Laboratory Manager

Page 2 of 3

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05/09/2013

Point Ruston 5219 N. Shirley St., Suite 100 Tacoma, WA 98407

Project:

Air Monitoring (hi-vol)

Date Received:
Spectra Project:

05/06/2013 2013050101

Client ID	Spectra #	Analyte	Result	Units	Method	Matrix	Date Sampled
8691817	17	Arsenic	0.00035	μg/m3	SW846 6020A	Filter	05/03/2013
8691817	17	Lead	0.0019	μg/m3	SW846 6020A	Filter	05/03/2013
8691816	18	Arsenic	0.0023	μg/m3	SW846 6020A	Filter	05/03/2013
8691816	18	Lead	0.0091	μg/m3	SW846 6020A	Filter	05/03/2013
8691815	19	Arsenic	0.0030	μg/m3	SW846 6020A	Filter	05/03/2013
8691815	19	Lead	0.0061	μg/m3	SW846 6020A	Filter	05/03/2013
8691814	20	Arsenic	0.00098	μg/m3	SW846 6020A	Filter	05/03/2013
8691814	20	Lead	0.0046	μg/m3	SW846 6020A	Filter	05/03/2013
8691805	21	Arsenic	< 0.00015	μg/m3	SW846 6020A	Filter	05/06/2013
8691805	21	Lead	< 0.00015	μg/m3	SW846 6020A	Filter	05/06/2013

SPECTRA LABORATORIES

Steve Hibbs, Laboratory Manager

2013050101

POINT RUSTON 5219 N. Shirley Street, Suite 100, Tacoma, WA 98407 Phone: 253-752-2185 Fax: 253-752-7083

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4/20/13	OCF NW		×.		8691832		ž	X							
4/25/12	Lad-1A		V.		8691831	Ng.) and	X							
4/36/13	1448		<u>~</u>		8691830		/	Y			·				
	OCF 5		Х		8691829	(Signify	1	X		*************					
4/36/13	OCE NW		×		8691828			X							
4/2/15	Lot IA	:	A.		8691827	215.	1	X,							
5/1/15	Lot 4B		×		8691825	.,	1	У							
5/1/13	QCF 5		乂	<u> </u>	8691824	10	į.	<u>><</u>							
5/1/3	OCF XIW		×		8691823	\$100 F	-	X	-						
5/1/13	Lot IA		n/L	ļ	8691822		9	×							
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MAY 29 2013

05/23/2013

Point Ruston 5219 N. Shirley St., Suite 100 Tacoma, WA 98407

Project:

Air Monitoring (hi-vol)

Date Received:

05/13/2013

Spectra Project: 2013050284

Client ID	Spectra #	Analyte	Result	Units	Method	Matrix	Date <u>Sampled</u>
8691813	1	Arsenic	0.0024	μg/m3	SW846 6020A	Filter	05/06/2013
8691813	1	Lead	0.0082	μg/m3	SW846 6020A	Filter	05/06/2013
8691812	2	Arsenic	0.0023	μg/m3	SW846 6020A	Filter	05/06/2013
8691812	2	Lead	0.0077	μg/m3	SW846 6020A	Filter	05/06/2013
8691811	3	Arsenic	0.0040	μg/m3	SW846 6020A	Filter	05/06/2013
8691811	3	Lead	0.0095	μg/m3	SW846 6020A	Filter	05/06/2013
8691810	4	Arsenic	0.0020	μg/m3	SW846 6020A	Filter	05/06/2013
8691810	4	Lead	0.0075	μg/m3	SW846 6020A	Filter	05/06/2013
8691809	5	Arsenic	0.0017	μg/m3	SW846 6020A	Filter	05/07/2013
8691809	5	Lead	0.0055	μg/m3	SW846 6020A	Filter	05/07/2013
8691808	6	Arsenic	0.0011	μg/m3	SW846 6020A	Filter	05/07/2013
8691808	6	Lead	0.0039	μg/m3	SW846 6020A	Filter	05/07/2013
8691807	7	Arsenic	0.0023	μg/m3	SW846 6020A	Filter	05/07/2013
8691807	7	Lead	0.0053	μg/m3	SW846 6020A	Filter	05/07/2013
8691806	8	Arsenic	0.0015	μg/m3	SW846 6020A	Filter	05/07/2013
8691806	8	Lead	0.0062	μg/m3	SW846 6020A	Filter	05/07/2013

SPECTRA LABORATORIES

Steve Hibbs, Laboratory Manager a8/sci

Page 1 of 4

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 • www.spectra-lab.com

05/23/2013

Point Ruston 5219 N. Shirley St., Suite 100 Tacoma, WA 98407

Project:

Air Monitoring (hi-vol)

Date Received: Spectra Project: 2013050284

05/13/2013

							Date
Client ID	Spectra #	Analyte	Result	<u>Units</u>	Method	Matrix	Sampled
8691804	9	Arsenic	0.0042	μg/m3	SW846 6020A	Filter	05/07/2013
8691804	9	Lead	0.019	μg/m3	SW846 6020A	Filter	05/07/2013
8691803	10	Arsenic	0.0018	μg/m3	SW846 6020A	Filter	05/08/2013
8691803	10	Lead	0.0052	μg/m3	SW846 6020A	Filter	05/08/2013
8691802	11	Arsenic	0.0011	μg/m3	SW846 6020A	Filter	05/08/2013
8691802	11	Lead	0.0040	μg/m3	SW846 6020A	Filter	05/08/2013
8691801	12	Arsenic	0.0018	μg/m3	SW846 6020A	Filter	05/08/2013
8691801	12	Lead	0.0047	μg/m3	SW846 6020A	Filter	05/08/2013
8690900	13	Arsenic	0.0016	μg/m3	SW846 6020A	Filter	05/08/2013
8690900	13	Lead	0.0065	μg/m3	SW846 6020A	Filter	05/08/2013
8690899	14	Arsenic	0.0023	μg/m3	SW846 6020A	Filter	05/08/2013
8690899	14	Lead	0.0072	μg/m3	SW846 6020A	Filter	05/08/2013
8690898	15	Arsenic	0.0036	μg/m3	SW846 6020A	Filter	05/08/2013
8690898	15	Lead	0.0064	μg/m3	SW846 6020A	Filter	05/08/2013
8690897	16	Arsenic	0.0030	μg/m3	SW846 6020A	Filter	05/09/2013
8690897	16	Lead	0.0057	μg/m3	SW846 6020A	Filter	05/09/2013

SPECTRA LABORATORIES

Steve Hibbs, Laboratory Manager

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05/23/2013

Point Ruston 5219 N. Shirley St., Suite 100 Tacoma, WA 98407

Project:

Air Monitoring (hi-vol)

Date Received:

05/13/2013

Spectra Project: 2013050284

ar an			D 1	** 1			Date
Client ID	Spectra #	Analyte	Result	<u>Units</u>	Method	Matrix	Sampled
8690896	17	Arsenic	0.0043	μg/m3	SW846 6020A	Filter	05/09/2013
8690896	17	Lead	0.0078	$\mu g/m3$.	SW846 6020A	Filter	05/09/2013
8690895	18	Arsenic	0.0037	μg/m3	SW846 6020A	Filter	05/09/2013
8690895	18	Lead	0.0086	μg/m3	SW846 6020A	Filter	05/09/2013
8690894	19	Arsenic	0.0018	μg/m3	SW846 6020A	Filter	05/09/2013
8690894	19	Lead	0.0054	μg/m3	SW846 6020A	Filter	05/09/2013
8690893	20	Arsenic	0.00073	μg/m3	SW846 6020A	Filter	05/10/2013
8690893	20	Lead	0.0022	μg/m3	SW846 6020A	Filter	05/10/2013
8690892	21	Arsenic	0.0013	μg/m3	SW846 6020A	Filter	05/10/2013
8690892	21	Lead	0.0036	μg/m3	SW846 6020A	Filter	05/10/2013
8690891	22	Arsenic	0.0020	μg/m3	SW846 6020A	Filter	05/10/2013
8690891	22	Lead	0.0041	μg/m3	SW846 6020A	Filter	05/10/2013
8690890	23	Arsenic	0.00064	μg/m3	SW846 6020A	Filter	05/10/2013
8690890	23	Lead	0.0028	μg/m3	SW846 6020A	Filter	05/10/2013
8690889	24	Arsenic	0.0020	μg/m3	SW846 6020A	Filter	05/10/2013
8690889	24	Lead	0.0051	μg/m3	SW846 6020A	Filter	05/10/2013

SPECTRA LABORATORIES

Steve Hibbs, Laboratory Manager

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05/23/2013

Point Ruston 5219 N. Shirley St., Suite 100

Tacoma, WA 98407

Project:

Air Monitoring (hi-vol)

Date Received:

05/13/2013

Spectra Project: 2013050284

Client ID	Spectra #	Analyte	Result	Units	Method	Matrix	Date <u>Sampled</u>
8690878	25	Arsenic	< 0.00015	μg/m3	SW846 6020A	Filter	05/13/2013
8690878	25	Lead	< 0.00015	μg/m3	SW846 6020A	Filter	05/13/2013

SPECTRA LABORATORIES

Steve Hibbs, Laboratory Manager

Page 4 of 4





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5/10/13	Lot 4B		乂		8690893		1	X						
5/10/13	Lot 4B OCF 5		火		8690892		1	×						
5/10/10	OCFNW		ナ		8690891		1	X						
5/10/12	Lot IA	ı	X		8690890		i	X						
5/10/13	Lot 14		人		8690889		1	X						
5/13/13	Lot 14 Lot 14 Control				8690878			Х						
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2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 • www.spectra-lab.com

JUN 07 2013

06/03/2013

Point Ruston 5219 N. Shirley St., Suite 100 Tacoma, WA 98407

Project:

Air Monitoring (hi-vol)

Date Received:

05/20/2013

Spectra Project: 2013050431

							Date
Client ID	Spectra #	Analyte	Result	<u>Units</u>	Method	<u>Matrix</u>	Sampled
8690888	1	Arsenic	0.0011	μg/m3	SW846 6020A	Filter	05/13/2013
8690888	1	Lead	0.0043	μg/m3	SW846 6020A	Filter	05/13/2013
8690887	2	Arsenic	0.00069	μg/m3	SW846 6020A	Filter	05/13/2013
8690887	2	Lead	0.0024	μg/m3	SW846 6020A	Filter	05/13/2013
8690886	3	Arsenic	0.00085	μg/m3	SW846 6020A	Filter	05/13/2013
8690886	3	Lead	0.0026	μg/m3	SW846 6020A	Filter	05/13/2013
8690885	4	Arsenic	0.00079	μg/m3	SW846 6020A	Filter	05/13/2013
8690885	4	Lead	0.0039	μg/m3	SW846 6020A	Filter	05/13/2013
8690884	5	Arsenic	0.0011	μg/m3	SW846 6020A	Filter	05/13/2013
8690884	5	Lead	0.0055	μg/m3	SW846 6020A	Filter	05/13/2013
8690883	6	Arsenic	0.0013	μg/m3	SW846 6020A	Filter	05/14/2013
8690883	6	Lead	0.0027	μg/m3	SW846 6020A	Filter	05/14/2013
8690882	7	Arsenic	0.0017	μg/m3	SW846 6020A	Filter	05/14/2013
8690882	7	Lead	0.0029	μg/m3	SW846 6020A	Filter	05/14/2013
8690881	8	Arsenic	0.0021	μg/m3	SW846 6020A	Filter	05/14/2013
8690881	8	Lead	0.0036	μg/m3	SW846 6020A	Filter	05/14/2013

SPECTRA LABORATORIES

Steve Hibbs, Laboratory Manager a8/scj

Page 1 of 3

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 • www.spectra-lab.com

06/03/2013

Point Ruston 5219 N. Shirley St., Suite 100 Tacoma, WA 98407

Project:

Air Monitoring (hi-vol)

Date Received:
Spectra Project:

05/20/2013 2013050431

Client ID_	Spectra #	_Analyte_	Result	<u>Units</u>	_Method_	Matrix	Date Sampled
8690880	9	Arsenic	0.0022	μg/m3	SW846 6020A	Filter	05/14/2013
8690880	9	Lead	0.0046	μg/m3	SW846 6020A	Filter	05/14/2013
8690879	10	Arsenic	0.0023	μg/m3	SW846 6020A	Filter	05/14/2013
8690879	10	Lead	0.0044	μg/m3	SW846 6020A	Filter	05/14/2013
8690877	11	Arsenic	0.0040	μg/m3	SW846 6020A	Filter	05/15/2013
8690877	11	Lead	0.0049	μg/m3	SW846 6020A	Filter	05/15/2013
8690876	12	Arsenic	0.0040	μg/m3	SW846 6020A	Filter	05/15/2013
8690876	12	Lead	0.0040	μg/m3	SW846 6020A	Filter	05/15/2013
8690875	13	Arsenic	0.0047	μg/m3	SW846 6020A	Filter	05/15/2013
8690875	13	Lead	0.0045	μg/m3	SW846 6020A	Filter	05/15/2013
8690873	14	Arsenic	0.0050	μg/m3	SW846 6020A	Filter	05/15/2013
8690873	14	Lead	0.0087	μg/m3	SW846 6020A	Filter	05/15/2013
8690872	15	Arsenic	0.0016	μg/m3	SW846 6020A	Filter	05/16/2013
8690872	15	Lead	0.0034	μg/m3	SW846 6020A	Filter	05/16/2013
8690871	16	Arsenic	0.0012	μg/m3	SW846 6020A	Filter	05/16/2013
8690871	16	Lead	0.0012	μg/m3 μg/m3	SW846 6020A	Filter	05/16/2013

SPECTRA LABORATORIES

Steve Hibbs, Laboratory Manager a8/scj

Page 2 of 3

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 • www.spectra-lab.com

06/03/2013

Point Ruston 5219 N. Shirley St., Suite 100 Tacoma, WA 98407

Project:

Air Monitoring (hi-vol)

Date Received:

05/20/2013

Spectra Project: 2013050431

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Client ID	Spectra #	<u>Analyte</u>	Result	Units	Method	<u>Matrix</u>	Sampled
8690870	17	Arsenic	0.0013	μg/m3	SW846 6020A	Filter	05/16/2013
8690870	17	Lead	0.0021	μg/m3	SW846 6020A	Filter	05/16/2013
8690868	18	Arsenic	0.0020	μg/m3	SW846 6020A	Filter	05/16/2013
8690868	18	Lead	0.0044	μg/m3	SW846 6020A	Filter	05/16/2013
8690867	19	Arsenic	0.0013	μg/m3	SW846 6020A	Filter	05/17/2013
8690867	19	Lead	0.0025	μg/m3	SW846 6020A	Filter	05/17/2013
8690866	20	Arsenic	0.0012	μg/m3	SW846 6020A	Filter	05/17/2013
8690866	20	Lead	0.0035	μg/m3	SW846 6020A	Filter	05/17/2013
8690865	21	Arsenic	0.0016	μg/m3	SW846 6020A	Filter	05/17/2013
8690865	21	Lead	0.0017	μg/m3	SW846 6020A	Filter	05/17/2013
8690864	22	Arsenic	0.0014	μg/m3	SW846 6020A	Filter	05/17/2013
8690864	22	Lead	0.0032	μg/m3	SW846 6020A	Filter	05/17/2013
8690863	23	Arsenic	0.0018	μg/m3	SW846 6020A	Filter	05/17/2013
8690863	23	Lead	0.0035	μg/m3	SW846 6020A	Filter	05/17/2013
8690852	24	Arsenic	< 0.00015	μg/m3	SW846 6020A	Filter	05/20/2013
8690852	24	Lead	< 0.00015	μg/m3	SW846 6020A	Filter	05/20/2013

SPECTRA LABORATORIES

Steve Hibbs, Laboratory Manager a8/scj

Page 3 of 3





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POINT RUSTON
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Phone: 253-752-2185
Fax: 253-752-7083

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05/21/2013

Point Ruston

5219 N. Shirley St.,

Suite 100

Tacoma, WA 98407

Project:

Air Monitoring (hi-vol)

Sample Matrix:

Filter

Date Sampled:

05/15/2013

Date Received:

05/17/2013

Spectra Project:

2013050413

Rush

Client ID	Spectra #	Analyte	Result	<u>Units</u>	Method
8690874	1	Arsenic	0.00045	μg/m3	SW846 6020A
8690874	1	Lead	0.0026	μg/m3	SW846 6020A
8690869	2	Arsenic	0.00031	μg/m3	SW846 6020A
8690869	2	Lead	0.0010	μg/m3	SW846 6020A

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2013050413



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RECEIVED
JUN 1 1 2013

06/07/2013

Point Ruston 5219 N. Shirley St., Suite 100 Tacoma, WA 98407

Project:

Air Monitoring (hi-vol)

Date Received:

05/29/2013

Spectra Project: 2013050644

Client ID	Spectra #	Analyte	Result	Units	Method	Matrix	Date Sampled
Chem ID	<u> Зресна н</u>	Allaryte	Result	Oms	Method	Mauix	Sampled
8690860	1	Arsenic	0.0013	μg/m3	SW846 6020A	Filter	05/20/2013
8690860	1	Lead	0.0040	μg/m3	SW846 6020A	Filter	05/20/2013
8690862	2	Arsenic	0.0012	μg/m3	SW846 6020A	Filter	05/20/2013
8690862	2	Lead	0.0035	μg/m3	SW846 6020A	Filter	05/20/2013
8690861	3	Arsenic	0.0062	μg/m3	SW846 6020A	Filter	05/20/2013
8690861	3	Lead	0.012	$\mu g/m3$	SW846 6020A	Filter	05/20/2013
8690859	4	Arsenic	0.0012	μg/m3	SW846 6020A	Filter	05/20/2013
8690859	4	Lead	0.0042	μg/m3	SW846 6020A	Filter	05/20/2013
8690858	5	Arsenic	0.0029	μg/m3	SW846 6020A	Filter	05/20/2013
8690858	5	Lead	0.0062	μg/m3	SW846 6020A	Filter	05/20/2013
8690857	6	Arsenic	0.00093	μg/m3	SW846 6020A	Filter	05/21/2013
8690857	6	Lead	0.0041	μg/m3	SW846 6020A	Filter	05/21/2013
8690856	7	Arsenic	0.00069	μg/m3	SW846 6020A	Filter	05/21/2013
8690856	7	Lead	0.0028	μg/m3	SW846 6020A	Filter	05/21/2013
8690855	8	Arsenic	0.00072	μg/m3	SW846 6020A	Filter	05/21/2013
8690855	8	Lead	0.0029	μg/m3	SW846 6020A	Filter	05/21/2013

SPECTRA LABORATORIES

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06/07/2013

Point Ruston 5219 N. Shirley St., Suite 100 Tacoma, WA 98407

Project:

Air Monitoring (hi-vol)

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05/29/2013

Spectra Project: 2013050644

Client ID	Cmaatma #	A a 1	Paculi	Ilmita	Mothod	3 6 - 4 - 5	Date
Client ID	Spectra #	Analyte	Result	<u>Units</u>	Method	Matrix	Sampled
8690854	9	Arsenic	0.0013	μg/m3	SW846 6020A	Filter	05/21/2013
8690854	9	Lead	0.0064	μg/m3	SW846 6020A	Filter	05/21/2013
8690853	10	Arsenic	0.00097	μg/m3	SW846 6020A	Filter	05/21/2013
8690853	10	Lead	0.0080	μg/m3	SW846 6020A	Filter	05/21/2013
8690851	11	Arsenic	0.0014	μg/m3	SW846 6020A	Filter	05/22/2013
8690851	11	Lead	0.0040	μg/m3	SW846 6020A	Filter	05/22/2013
8690850	12	Arsenic	0.0013	μg/m3	SW846 6020A	Filter	05/22/2013
8690850	12	Lead	0.0019	μg/m3	SW846 6020A	Filter	05/22/2013
8690849	13	Arsenic	0.0016	μg/m3	SW846 6020A	Filter	05/22/2013
8690849	13	Lead	0.0016	μg/m3	SW846 6020A	Filter	05/22/2013
8690848	14	Arsenic	0.0015	μg/m3	SW846 6020A	Filter	05/22/2013
8690848	14	Lead	0.0025	μg/m3	SW846 6020A	Filter	05/22/2013
8690847	15	Arsenic	0.0017	μg/m3	SW846 6020A	Filter	05/22/2013
8690847	15	Lead	0.0021	μg/m3	SW846 6020A	Filter	05/22/2013
8690846	16	Arsenic	0.0026	μg/m3	SW846 6020A	Filter	05/23/2013
8690846	16	Lead	0.0066	μg/m3	SW846 6020A	Filter	05/23/2013

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06/07/2013

Point Ruston 5219 N. Shirley St., Suite 100 Tacoma, WA 98407

Project:

Air Monitoring (hi-vol)

Date Received:

05/29/2013

Spectra Project: 2013050644

Client ID	Spectra #	Analyte	Result	Units	Method	Matria	Date Sampled
CHEIR ID	<u> Зресна н</u>	Allaryte	TOSUIT	<u>Oms</u>	Memod	<u>Matrix</u>	Sampled
8690845	17	Arsenic	0.0023	μg/m3	SW846 6020A	Filter	05/23/2013
8690845	17	Lead	0.0031	$\mu g/m3$	SW846 6020A	Filter	05/23/2013
8690844	18 .	Arsenic	0.0025	μg/m3	SW846 6020A	Filter	05/23/2013
8690844	18	Lead	0.0025	μg/m3	SW846 6020A	Filter	05/23/2013
8690843	19	Arsenic	0.0024	μg/m3	SW846 6020A	Filter	05/23/2013
8690843	19	Lead	0.0064	$\mu g/m3$	SW846 6020A	Filter	05/23/2013
8690842	20	Arsenic	0.0020	μg/m3	SW846 6020A	Filter	05/23/2013
8690842	20	Lead	0.0040	μg/m3	SW846 6020A	Filter	05/23/2013
8690841	21	Arsenic	0.0014	μg/m3	SW846 6020A	Filter	05/24/2013
8690841	21	Lead	0.0020	μg/m3	SW846 6020A	Filter	05/24/2013
8690840	22	Arsenic	0.00087	μg/m3	SW846 6020A	Filter	05/24/2013
8690840	22	Lead	0.0015	μg/m3	SW846 6020A	Filter	05/24/2013
8690839	23	Arsenic	0.0014	μg/m3	SW846 6020A	Filter	05/24/2013
8690839	23	Lead	0.0020	μg/m3	SW846 6020A	Filter	05/24/2013
8690838	24	Arsenic	0.0020	μg/m3	SW846 6020A	Filter	05/24/2013
8690838	24	Lead	0.0031	μg/m3	SW846 6020A	Filter	05/24/2013

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06/07/2013

Point Ruston 5219 N. Shirley St., Suite 100 Tacoma, WA 98407

Project:

Air Monitoring (hi-vol)

Date Received:

05/29/2013

Spectra Project: 2013050644

Client ID	Spectra #	Analyte	Result	Units	Method	Matrix	Date Sampled
8690837	25	Arsenic	0.0012	μg/m3	SW846 6020A	Filter	05/24/2013
8690837	25	Lead	0.0021	μg/m3	SW846 6020A	Filter	05/24/2013
86908826	26	Arsenic	< 0.00015	μg/m3	SW846 6020A	Filter	05/28/2013
86908826	26	Lead	< 0.00015	μg/m3	SW846 6020A	Filter	05/28/2013

SPECTRA LABORATORIES

POINT RUSTON 5219 N. Shirley Street, Suite 100, Tacoma, WA 98407 Phone: 253-752-2185 Fax: 253-752-7083

CHAIN OF CUSTODY RECORD

PROJ. NO PROJECT NAME OF CONTAINERS REMARKS COMP GRAB STA# TIME SAMPLE NUMBER DATE Ŏ. × 8690860 42413 W4B 5/20/13 1005 5/20/13 GCF NW × 5/20/0 Lot 1A X 5/20/15/6/14 5/21/13 Let 4B X × 5/21/13 OCF 5 5/21/13 OCE HW 5/21/12 Lot 1A 5/21/13 60/14 X Lot 48 Х OCF S \$22/12 GCF NW X 5/22/13/40+ 14 Relinquished (Sjgnature), Date/Time Lab Received by: (Signature) 15728 Air Bill # Relinquished (Signature) Received by: (Signature) Date/Time Remarks Received for Laboratory by: (Signature) Relinquished (Signature) Date/Time Date/Time Enclosed: Parameter List with DTLs Cover Letter Split Samples: [Accepted []Declined COC Form - 7/12 Signature

POINT RUSTON 5219 N. Shirley Street, Suite 100, Tacoma, WA 98407 Phone: 253-752-2185 Fax: 253-752-7083

CHAIN OF CUSTODY RECORD

2013050644

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5/23/11	Lot 14		X		869	0842			1	X			-			
5/24/12	Lot 4B		×			70841			1	X						
5/24/13	0655		X	·	869				(X			6			
	OCFNW		人			0839			1	×			'1			
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06/14/2013

Point Ruston 5219 N. Shirley St., Suite 100 Tacoma, WA 98407

Project:

Air Monitoring (hi-vol)

Date Received: 06/03/2013 Spectra Project: 2013060037

O!: TD	S	A1	Decuie	YT.:te	3 6 - 45 - 3	**.	Date
Client ID	Spectra #	Analyte	Result	Units	Method	Matrix	Sampled
8690836	1	Arsenic	0.00076	μg/m3	SW846 6020A	Filter	05/28/2013
8690836	1	Lead	0.0021	μg/m3	SW846 6020A	Filter	05/28/2013
8690835	2	Arsenic	0.00049	μg/m3	SW846 6020A	Filter	05/28/2013
8690835	2	Lead	0.0017	μg/m3	SW846 6020A	Filter	05/28/2013
8690834	3	Arsenic	0.00081	μg/m3	SW846 6020A	Filter	05/28/2013
8690834	3	Lead	0.0018	μg/m3	SW846 6020A	Filter	05/28/2013
8690833	4	Arsenic	0.00072	$\mu g/m3$	SW846 6020A	Filter	05/28/2013
8690833	4	Lead	0.0032	μg/m3	SW846 6020A	Filter	05/28/2013
8690832	5	Arsenic	0.00082	μg/m3	SW846 6020A	Filter	05/28/2013
8690832	5	Lead	0.0030	µg/m3	SW846 6020A	Filter	05/28/2013
8690831	6	Arsenic	0.00042	μg/m3	SW846 6020A	Filter	05/29/2013
8690831	6	Lead	0.0011	μg/m3	SW846 6020A	Filter	05/29/2013
8690830	7	Arsenic	0.00040	μg/m3	SW846 6020A	Filter	05/29/2013
8690830	7	Lead	0.0010	μg/m3	SW846 6020A	Filter	05/29/2013
8690829	8	Arsenic	0.0019	μg/m3	SW846 6020A	Filter	05/29/2013
8690829	8	Lead	0.0012	μg/m3	SW846 6020A	Filter	05/29/2013

SPECTRA LABORATORIES

Steve Hibbs, Laboratory Manager

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06/14/2013

Point Ruston 5219 N. Shirley St., Suite 100 Tacoma, WA 98407

Project: Air Monitoring (hi-vol)

Date Received: 06/03/2013 Spectra Project: 2013060037

Client ID	Spectra#	Analyte	Result	Units	Method	<u>Matrix</u>	Date Sampled
8690828	9	Arsenic	0.00070	μg/m3	SW846 6020A	Filter	05/29/2013
8690828	9	Lead	0.0020	μg/m3	SW846 6020A	Filter	05/29/2013
8690827	10	Arsenic	0.00036	μg/m3	SW846 6020A	Filter	05/29/2013
8690827	10	Lead	0.0011	μg/m3	SW846 6020A	Filter	05/29/2013
8690825	11	Arsenic	0.00087	μg/m3	SW846 6020A	Filter	05/30/2013
8690825	11	Lead	0.0023	μg/m3	SW846 6020A	Filter	05/30/2013
8690824	12	Arsenic	0.00069	μg/m3	SW846 6020A	Filter	05/30/2013
8690824	12	Lead	0.0015	μg/m3	SW846 6020A	Filter	05/30/2013
8690823	13	Arsenic	0.00089	μg/m3	SW846 6020A	Filter	05/30/2013
8690823	13	Lead	0.0015	μg/m3	SW846 6020A	Filter	05/30/2013
8690822	14	Arsenic	0.00097	μg/m3	SW846 6020A	Filter	05/30/2013
8690822	14	Lead	0.0029	μg/m3	SW846 6020A	Filter	05/30/2013
8690821	15	Arsenic	0.00071	μg/m3	SW846 6020A	Filter	05/30/2013
8690821	15	Lead	0.0029	μg/m3	SW846 6020A	Filter	05/30/2013
8690820	16	Arsenic	0.0021	μg/m3	SW846 6020A	Filter	05/31/2013
8690820	16	Lead	0.0035	μg/m3	SW846 6020A	Filter	05/31/2013

SPECTRA LABORATORIES

Steve Hibbs, Laboratory Manager

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06/14/2013

Point Ruston 5219 N. Shirley St., Suite 100 Tacoma, WA 98407

Project:

Air Monitoring (hi-vol)

Date Received: Spectra Project: 2013060037

06/03/2013

Client ID	Spectra #	Analyte	Result	Units	Method	Matrix	Date Sampled
8690819	17	Arsenic	0.0018	μg/m3	SW846 6020A	Filter	05/31/2013
8690819	17	Lead	0.0029	μg/m3	SW846 6020A	Filter	05/31/2013
8690818	18	Arsenic	0.0018	μg/m3	SW846 6020A	Filter	05/31/2013
8690818	18	Lead	0.0028	μg/m3	SW846 6020A	Filter	05/31/2013
8690817	19	Arsenic	0.0019	μg/m3	SW846 6020A	Filter	05/31/2013
8690817	19	Lead	0.0033	μg/m3	SW846 6020A	Filter	05/31/2013
8690816	20	Arsenic	0.0021	μg/m3	SW846 6020A	Filter	05/31/2013
8690816	20	Lead	0.0031	μg/m3	SW846 6020A	Filter	05/31/2013
8690805	21	Arsenic	< 0.00015	μg/m3	SW846 6020A	Filter	06/03/2013
8690805	21	Lead	< 0.00015	μg/m3	SW846 6020A	Filter	06/03/2013

SPECTRA LABORATORIES

Steve Hibbs, Laboratory Manager

2013040037

POINT	RUSTON	E R
5219 N. Shirley Street,	Suite 100, Tacoma, WA 98407	(O) (S)
Phone: 253-752-2185	Fax: 253-752-7083	NA TO

PROJ. NO PROJECT NAME (41-						4)	CONTAINERS			7	7	7	7		
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SAMPLERS: (Signature)								l ,		/ .	/ ,	/ .	/	/ /	
Samplers: (Signature)								X	x ^c y ^X					/ REMARKS	
DATE	STA#	TIME	COMP	GRAB	SAMPLE NUMBER		NO. OF	<u> </u>	<u>Y</u>						
5/28/13	Let 4B		d		8690836		1	X	,						
5/28/13 5/28/13	ocfs		丛		8690835	and the second s		X							
8/20/12	mer Estab		X		8690834		1	X							
5/28//3	Lot 14 Lot 4B Cof 8		么		8690833	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	1	X							
5/28/12	Lot 14		人		8690832			又				***************************************			
5/25/13	Lof4B		X		8690831			文							
5/29/13	ORF S		乙		8690 830			X							
8/24/M	CRELNUS		V		8690829	-		X							
3/26/12	Lat IA		火		8690828			X							
5/29/12	Lot 14	-	X		8690827			X							
5/30//3	Lot4B	A-1214-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	乙		8690825			X							
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5/3//	OCF NW		人		8690 823			X							
5736//3	Lat IA		义	<u> </u>	8690822		Ì	X							
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											Split Samples:				
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CHAIN OF CUSTODY RECORD

2013060037



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REAL TIME TOTAL SUSPENDED PARTICULATE MONITORING

DATA

(E-SAMPLER NETWORK)

Reference	Date	Description
Memo	05/16/13	TSP Exceedance Notification and Response

MEMORANDUM

DATE:

May 16, 2013

TO:

Kevin Rochlin, EPA (sent via email)

SUBJECT:

Real-Time Air Monitoring - Fog Event

Pursuant to Section 5.3 of the Air Quality Monitoring Plan For Point Ruston (April 2013):

5.3 CORRECTIVE ACTIONS "If the results of the Point Ruston monitoring network show one of the trigger levels have been exceeded at a location, Point Ruston will immediately check the instruments to ensure that there has not been a malfunction or that a trigger level has not been incorrectly set and if no errors are discovered will notify the EPA and its representative within 24-hours. Any earth moving work or other dust generating activities on site will stop until the cause of the trigger can be determined or until EPA acknowledges that the alarm was not likely to have been triggered by site activities. Point Ruston will determine, to the extent possible with available data, the on-site activity which was the apparent source of the exceedances. Point Ruston will verbally and in writing inform the EPA and its representative of the results of this evaluation within 48 hours of the alarm. Based on a combination of visual observations, monitoring data, and meteorological information, Point Ruston and the EPA will evaluate whether this on-site activity should or can be modified, delayed, or curtailed to prevent recurrence, or whether no additional action is necessary.

However, typically the real-time monitor will be set to alarm Point Ruston if the trigger level is exceeded even for just one hour, providing Point Ruston the opportunity to address a situation before it becomes a problem. However, if the real-time monitor has alarmed and the problem persists without being resolved by the end of the work day, the actual metals concentration for that day that was collected by the Hi-vol monitor will be checked as quickly as possible (48 hours), regardless of whether the trigger level for dust has been exceeded, to see if action levels for arsenic or lead were exceeded. Data from the weather station may be helpful for determining the source of a problem detected by the real-time monitors and for determining which Hi-vol monitor would have been most likely to collect dust from a problem area."

On May 16, 2013 between 4:30 AM and 8:30 AM several elevated total suspended particulate (TSP) alarms occurred at each of the E-Sampler locations (ES1, ES2, ES3 & ES4). At 4:40am text notification from the data logger software sent notice that the average hourly TSP concentrations had exceeded 40 μ g/m³ at each location. The alarm trigger level is set to 40 μ g/m³ in order to give early warning and detection of increasing TSP levels so as to allow response and correction actions to be taken in order to prevent TSP levels from reaching the current daily average (24-hour) trigger of 81 μ g/m³. Between the fifteen minute interval from 4:40am and 4:55am the TSP levels ranged from less than 40, up to 596, and then back down below 40.

At 6:15am a second alarm occurred indicating TSP concentrations had again exceeded 40 µg/m³. Site Superintendent Keith Daniel responded at approximately 6:17am to ascertain existing site conditions. Keith reported thick fog present across the entire site causing limited visibility. Keith confirmed that no site related soil disturbing activities were in progress and soil conditions were wet. Wind conditions were also reported as calm. Work or wind generated dust was not a contributing factor to these alarms.

At approximately 7:20am the site was still enveloped in heavy fog. Workers had begun arriving, but work activities had not yet begun. There were no visible dust generating activities on the job site nor in the immediate vicinity. The data logger computer and software were checked to ensure functionality, which was confirmed. The monitoring software indicated TSP levels of 913 to 1,146 µg/m³ (hourly average). By 9:30am the fog was dissipating from the site and in conjunction the TSP levels were dropping rapidly.

During this event the individual E-Samplers recorded highs of 950 to 4,465 µg/m³ between 6:35am and 8:20am. Overall this event resulted in 24-hour daily averages exceeding the trigger of 81 µg/m³ at two of the four locations.

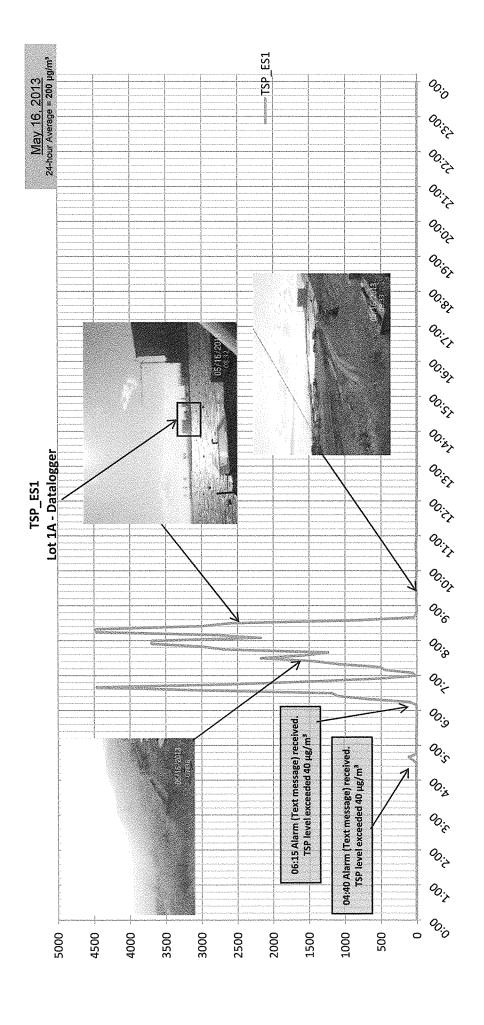
24-hour averages were recorded as follows:

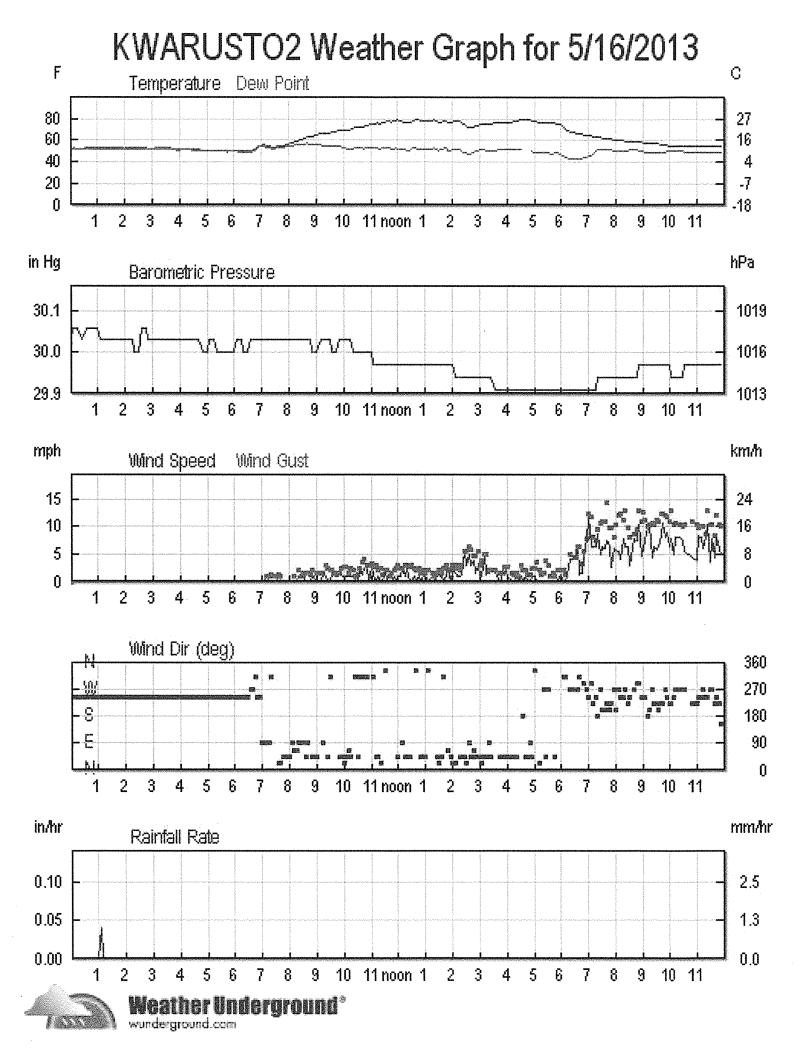
- ES1: 200 μg/m³
- ES2:132 μg/m³
- ES3: 58 μg/m³
- ES4: 29 μg/m³

60-minute average peaks were as follows:

- 466 μg/m³ at ES4 7:30 AM
- 1,812 μg/m³ at ES3 8:05 AM
- 1,841 μg/m³ at ES2 8:40 AM
- 2,942 μg/m³ at ES1 8:35 AM

After reviewing the variables occurring at the time of the readings, the higher than usual TSP levels during this time period were likely the result of heavy fog. The attached meteorological data and TSP data verify the correlation between the fog and TSP results. Because the event took place during the time period when sample filters are exchanged, Hi-Volume filters from the Lot 1A Hi-Vol for both the 15th and 16th were submitted for rush analysis of arsenic and lead. Filters from the Lot 1A Hi-Vol were chosen because the paired dust monitor (ES1) reported the highest concentrations of TSP during this event. Results will be submitted to EPA as soon as they are available.





METHANE

MONITORING

DATA

Reference	Date	Description
Bldg 2B	05/15/13	Gas Monitoring Data Form / Calibration Worksheet
Bldg 2B	May 2013	Methane Monitoring – DATA LOG

METHANE MONITORING - DATA LOG

Point Ruston, LLC

Building 2B

	Well	Date	Oxygen	Combustible LEL (Methane)				
Period	Location	Time	c°	Reading	TWA	STEL	Reading	Reading
1	Calibrate	5/15/2013 8:57	23	0	0	0	20.9	0
2	Calibrate	5/15/2013 8:59	23	0	0	0	20.9	0
3	2BW001	5/15/2013 9:20	22	0	0	0	20.9	0
3	2BW001	5/15/2013 9:21	22	0	0	0	20.4	0
3	2BW001	5/15/2013 9:22	22	0 -	0	0	20.4	0
3	2BW001	5/15/2013 9:23	23	0	0	0	20.3	0
3	2BW001	5/15/2013 9:24	23	0	0	0	20.3	0
3	2BW001	5/15/2013 9:25	23	0	0	0	20.3	0
3	2BW001	5/15/2013 9:26	23	0	0	0	20.3	0
3	2BW001	5/15/2013 9:27	23	0	0	0	20.3	0
3	2BW001	5/15/2013 9:28	24	0	0	0	20.3	0
3	2BW001	5/15/2013 9:29	24	0	0	0	20.3	0
4	2BW002	5/15/2013 9:32	23	0	0	0	20.7	0
4	2BW002	5/15/2013 9:33	24	0	0	0	20.3	0
4	2BW002	5/15/2013 9:34	24	0	0	0	20.3	0
4	2BW002	5/15/2013 9:35	24	0	0	0	20.3	0
4	2BW002	5/15/2013 9:36	24	0	0	0	20.3	0
4	2BW002	5/15/2013 9:37	24	0	0	0	20.3	0
4	2BW002	5/15/2013 9:38	24	0	0	0	20.3	0
4	2BW002	5/15/2013 9:39	24	0	0	0	20.3	0
4	2BW002	5/15/2013 9:40	24	0	0	0	20.3	0
4	2BW002	5/15/2013 9:41	25	0	0	0	20.3	0
5	2BW003	5/15/2013 9:44	24	0	0	0	20.7	0
5	2BW003	5/15/2013 9:45	24	0	0	0	19.9	0
5	2BW003	5/15/2013 9:46	24	0	0	0	19.9	0
5	2BW003	5/15/2013 9:47	24	0	0	0	19.8	0
5	2BW003	5/15/2013 9:48	24	0	0	0	19.8	0
5	2BW003	5/15/2013 9:49	24	0	0	0	19.9	0
5	2BW003	5/15/2013 9:50	24	0	0	0	19.9	0
5	2BW003	5/15/2013 9:51	24	0	0	0	19.9	0
5	2BW003	5/15/2013 9:52	24	0	0	0	19.9	0
5	2BW003	5/15/2013 9:53	23	0	0	0	19.9	0
6	2BW004	5/15/2013 9:56	22	0	0	0	20.6	0
6	2BW004	5/15/2013 9:57	23	0	0	0	19.8	0
6	2BW004	5/15/2013 9:58	23	0	0	0	19.7	0
6	2BW004	5/15/2013 9:59	23	0	0	0	19.7	0
6	2BW004	5/15/2013 10:00	23	0	0	0	19.7	0
6	2BW004	5/15/2013 10:01	23	0	0	0	19.7	0
6	2BW004	5/15/2013 10:02	23	0	0	0	19.8	0
6	2BW004	5/15/2013 10:03	22	0	0	0	19.8	0
6	2BW004	5/15/2013 10:04	22	0	0	0	19.8	0
6	2BW004	5/15/2013 10:05	22	0	0	0	19.8	0
6	2BW004	5/15/2013 10:06	22	- 0	0	0	19.8	0

Gas Monitoring Data Form / Calibration Worksheet

Project Name:		·····	Build	ing 2B	110				\cap	<i>i</i> 1		_	
Date of Sampling:	/1B	Name (of Sample C	ollector:	1A	H W	16/	3 er					
Gas Meter Inform	nation	1			***************************************				•				
Manufacturer:	Indu	ustrial Scie	entific	Mo	odel:	M40/S	P40	•	Seria	al Number	*	0806049-9	84
Factory/Service Co	Center C	alibration	Date of G	as Monito	r:	Nove	ember 1, 20	11		Pump Rate	of Gas Mete	er: .5 SCFH	(0.25 LPM)
Calibration Canist	ter Infor	rmation											
Canister I.D. L	Lot: MA	LM-46.	ェーソ Cyl:		Calibi	ration Gas:	O ₂ , LE	L, CO, H₂	S, N	. Ca	anister Exp	s: 6/11/	14
PRE-SAMPLE CA	ALIBRA	TION:		Date:	5//	15/1	13			Time	0:	00	
Sensor SN		Senso	r Type	Gas 1	Гуре	Span Gas	Span Reserve	!	sed/ iled	Alarm Low	Alarm High	Alarm TWA	Alarm STEL
806862459	•	Combus	tible-LEL	Meth	nane	50	80	. 1	ρ				
805823354	1	Hydroge	n Sulfide	Hydrogei	n Sulfide	25	55	1	1				
18033970308	81	Оху	/gen	Оху	gen	19	15/30.2	y	D				
	ORD:	7				<u> </u>	<i></i>	F.	•			L	, I.,
SAMPLING RECO			3arometric	Pressure:	30,12		,		54.05 RA d	svered	1 grs	56-057 velwet	
SAMPLING RECO	62.8 O,C	<u>></u>	Barometric				Conditions:		54.05 CA d	svered) qv4	56.057 val w e.t	
SAMPLING RECO Temperature: Precipitation: Wind Speed:	<i>(₀2. %</i> <i>⊙</i> , ⊜ /, / Sampl	<u>></u>				Tidal	Conditions:		5'Y- '05' LA	svered		5-6-05-7 wed we e.t	
SAMPLING RECO	<i>(₀2. %</i> <i>⊙</i> , ⊜ /, / Sampl	Direction: le Tube irge	Start Time	Other Stop	Relevant (Tidal Conditions:	Conditions: Conditions: % CH ₄ By		H₂S	svered			
SAMPLING RECO Temperature: Precipitation: Wind Speed: Location	<i>(₀2. %</i> <i>⊙</i> , ⊜ /, / Sampl	Direction: le Tube irge	Start Time	Other Stop Time	Relevant (Initial % LEL	Tidal Conditions: Stabilized % LEL	Conditions: Conditions: % CH ₄ By	% O ₂	H ₂ S (ppm)	5 suered			
SAMPLING RECO	<i>(₀2. %</i> <i>⊙</i> , ⊜ /, / Sampl	Direction: le Tube irge	Start Time	Stop Time 9:32	Relevant (Initial % LEL	Tidal Conditions: Stabilized % LEL	Conditions: Conditions: % CH ₄ By Volume	% O ₂	H ₂ S (ppm)	svered			
SAMPLING RECO	<i>(₀2. %</i> <i>⊙</i> , ⊜ /, / Sampl	Direction:	Start Time 9:22 9:34 9:46	Stop Time 9:32	Relevant (Initial % LEL	Tidal Conditions: Stabilized % LEL	Conditions: Conditions: % CH ₄ By Volume	% O ₂ 20.3 20.3	H ₂ S (ppm)	sured			
SAMPLING RECO	<i>(₀2. %</i> <i>⊙</i> , ⊜ /, / Sampl	Direction:	Start Time 9:22 9:34 9:46	Other Stop Time 9;32 9;44 9;56	Relevant Control of the Control of t	Tidal Conditions: Stabilized % LEL O	Conditions: **CH4** By Volume **CONDITIONS** %02 20.3 20.3 19.9	H ₂ S (ppm) O O O		, , , , , , , , , , , , , , , , , , ,	Notes	5′	
SAMPLING RECO Temperature: Precipitation: Wind Speed: Location Well ID# 28W001 28W003 28W003 38W004 ※054	<i>(₀2. %</i> <i>⊙</i> , ⊜ /, / Sampl	Direction:	Start Time 9:22 9:34 9:46 9:58	Other Stop Time 9:32 9:44 9:54 10:08	Relevant Control of the Control of t	Tidal Conditions: Stabilized % LEL O O	Conditions: Conditions: % CH ₄ By Volume C	%02 20.3 20.3 19.9 19.9	H ₂ S (ppm) O O O O		\$057	Notes	5' 6'
SAMPLING RECO	<i>(₀2. %</i> <i>⊙</i> , ⊜ /, / Sampl	Direction:	Start Time 9:22 9:34 9:46 9:58 10:25 10:37	Other Stop Time 9:32 9:44 9:56 10:08	Relevant Continued in the continue of the cont	Tidal Conditions: Stabilized % LEL O O O	Conditions: % CH ₄ By Volume C	% 02 20.3 20.3 19.9 19.8 20.9	H ₂ S (ppm) O O O O O		\$057	Notes	5' 6'

Cartification:

11

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To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct.

SIGNATURE:

S //5 //3

MISCELLANEOUS

TEST

SAMPLING

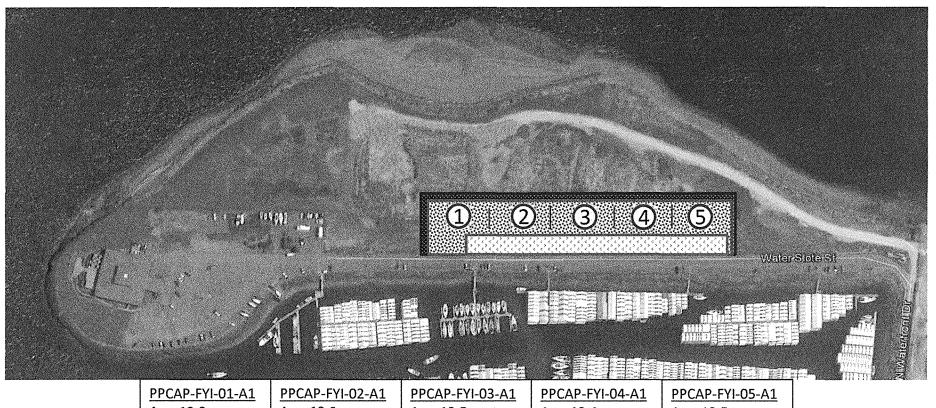
DATA

(SOIL – DEBRIS – WATER – ETC.)

Reference	Sample Date	Description
Metro Parks	05/28/13	Internal XRF – Borrow Soils Source Area – Confirmation Sampling
Peninsula	05/30/13	Internal XRF – Partial Post Cap – Confirmation Sampling

	In-House (XRF)					Metro Parks	- Borrow Sc	oils - Source A	rea		****	
			5-point co	mposite sa	mpling at curi	rent surface of source area	I excavation.					
Sample Date (or) Reading No.	Sample/Reading Time	Туре	Duration	Units	Sequence	Sample Number	Site Code	Sample Depth	Subunit	Sample Type	Pb	As
5	5/29/2013 8:57	BULK	90	ppm	Final	PPBA2-FYI-01-A1	PPBA2	A	1		29.29	1.53
<u>6</u> 7	5/29/2013 11:25 5/29/2013 12:36	BULK BULK	90 90	ppm	Final Final	PPBA2-FYI-02-A1 PPBA2-FYI-03-A1	PPBA2 PPBA2	A A	3		28.45 21.51	5.58 4.92
8	5/29/2013 13:49	BULK	90	ppm ppm	Final	PPBA2-FYI-04-A1	PPBA2	A	4		14.66	13.82
										Average	23.48	6.46
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						1		į			
					3							
					2							
					1							
					7.00				05/	/28/2		
Ap	proximate	Samp	le Loca	ations				19.34a	17 - 12 - 12 - 12 - 12 - 12 - 12 - 12 -			

Peninsula Soil Cap Sampling 05/30/13 (Above Liner)



As <12.9 Pb <14.7

As <13.9 Pb 25.0

As <12.5 Pb 20.8

As <13.4 Pb 40.5

As <13.5 Pb 21.3

LEGEND

Liner

Soil Cap

Hydroseed

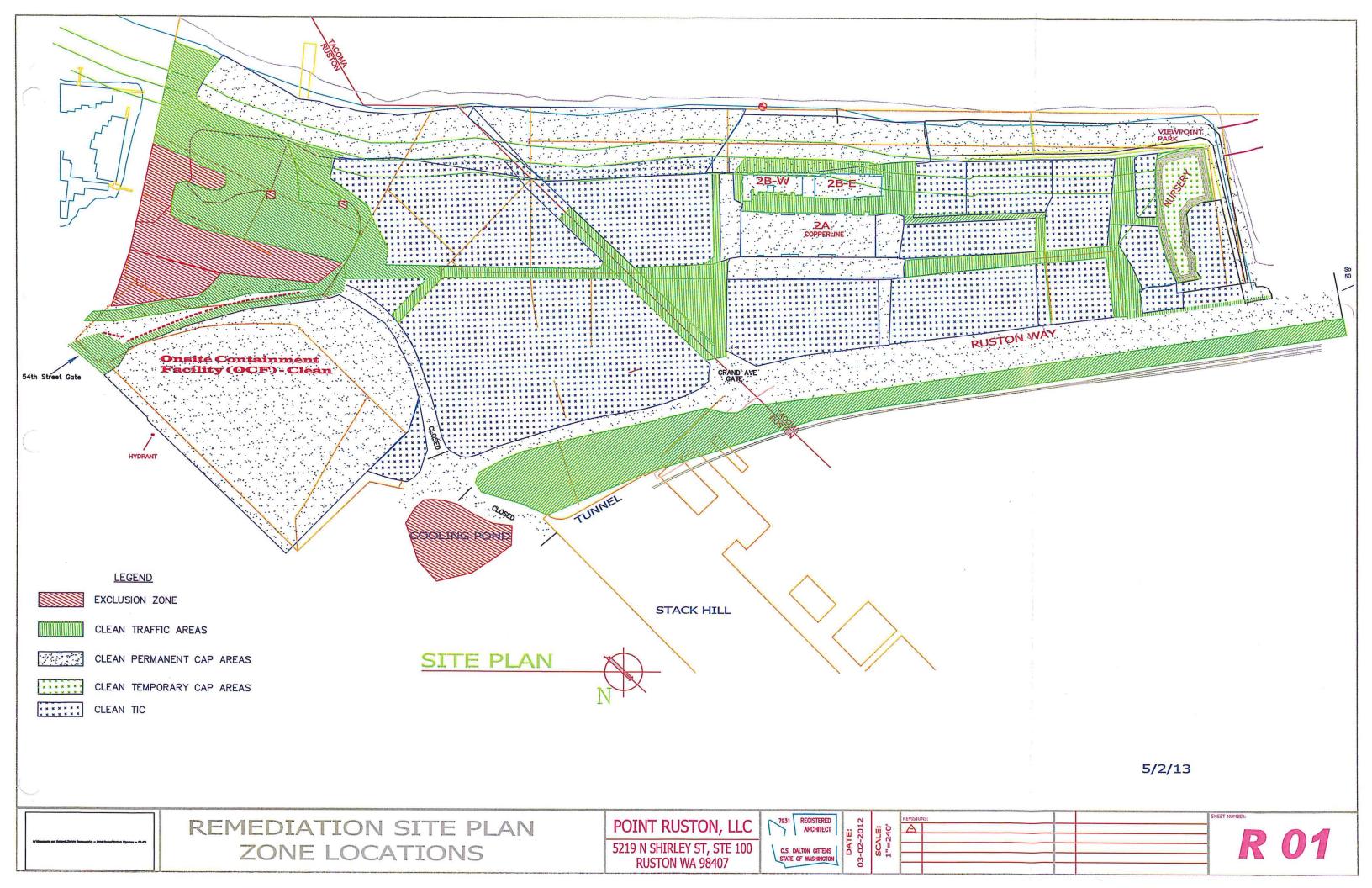
Locations shown are approximate

NO SCALE

MISCELLANEOUS

INFORMATION

Reference	Date	Description
Zone Plan	05/02/13	Updated Zone Plan for lower site
Memo	05/15/13	Temporary Impermeable Cap – Liner Repair (Lot 4B)
Memo	05/20/13	Temporary Impermeable Cap – Liner Repair (Lot 6A)
Addendum 1	05/31/13	Addendum No. 1 to Monthly Report: No 203, April 2013
*		



MEMORANDUM

May 15, 2013

SUBJECT: TIC Repair (Lot 4B)

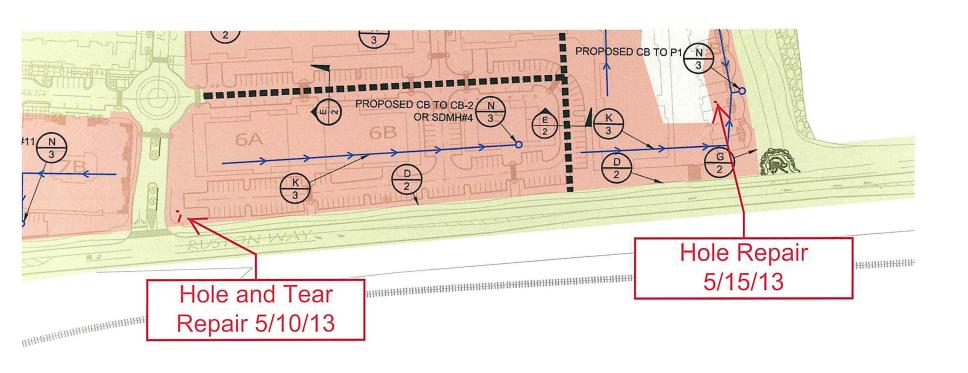
The Temporary Impermeable Cap (TIC) and Site Wide Storm Water Construction Management Plan addresses maintenance and monitoring to the TIC (Section 5.0)

On February 19, 2013 during a routine TIC inspection a small puncture was found on Lot 4B about the diameter of a pencil. The puncture appeared to have been caused by a nail sticking out of a wooden sawhorse that tipped over from the gravel anchor edge onto the liner. The nail and sawhorse were removed and a sand bag was placed over the puncture to prevent wind and water exposure. The location was monitored routinely until a permanent repair was completed on May 15, 2013 when patch materials were available and weather was favorable. The patch area was washed with water and dried thoroughly. A primer was applied to the patch area and a 3" wide double-sided splice tape was applied over the puncture, followed by an overlapping 6" wide single-sided cover tape. Finally a lap sealant caulk was applied to all edges of the cover tape.

Weekly monitoring of the repair will continue.

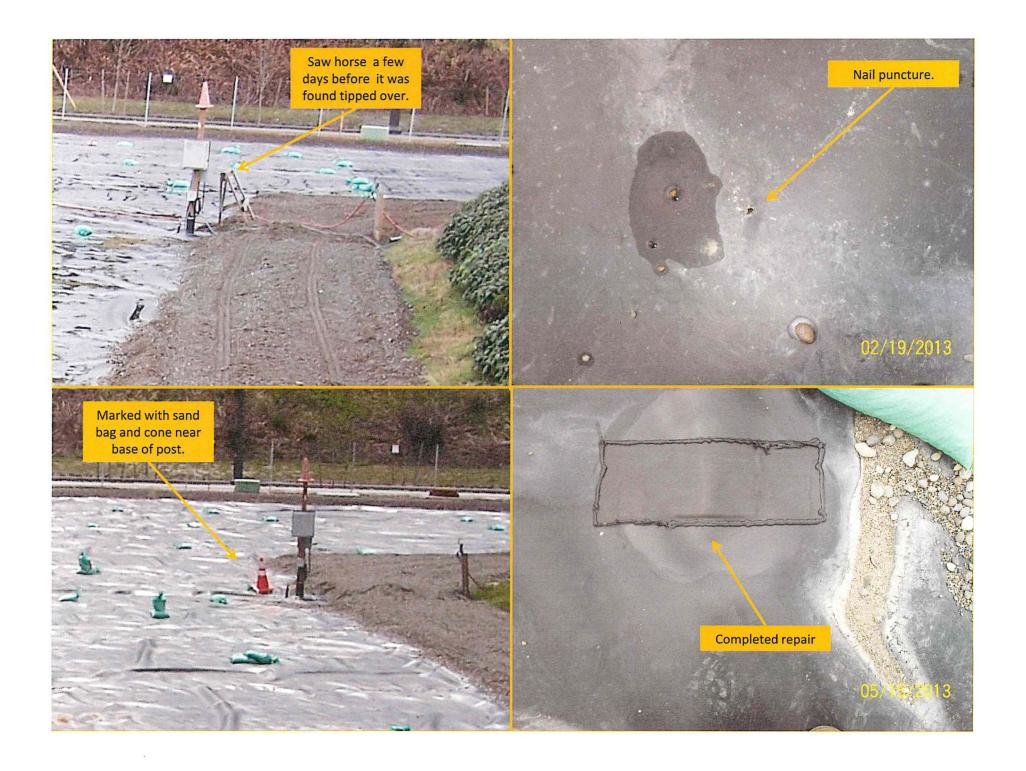
See photos attached.

Tim Rusher Construction Oversight/Health & Safety Officer



LEGEND

ZONE 1: TIC



MEMORANDUM

May 20, 2013

SUBJECT:

TIC Repair (Lot 6A)

The Temporary Impermeable Cap (TIC) and Site Wide Storm Water Construction Management Plan addresses maintenance and monitoring to the TIC (Section 5.0)

On May 9, 2013 during a routine TIC inspection a five to six foot tear in the HDPE liner was found on Lot 6A near a utility vault at the west corner. The tear was partially covered by the gravel anchor edge and was slightly overlapped and next to a seam. A one inch hole was found a few feet away. Conditions were dry and no rain was forecasted so initially repairs were to be completed when NW Linings workers returned on May 13th to install lining on the Peninsula. However, Point Ruston employees repaired the damage on May 10, 2013 to ensure the scheduled occupancy of the Copperline Apartments could proceed the following day.

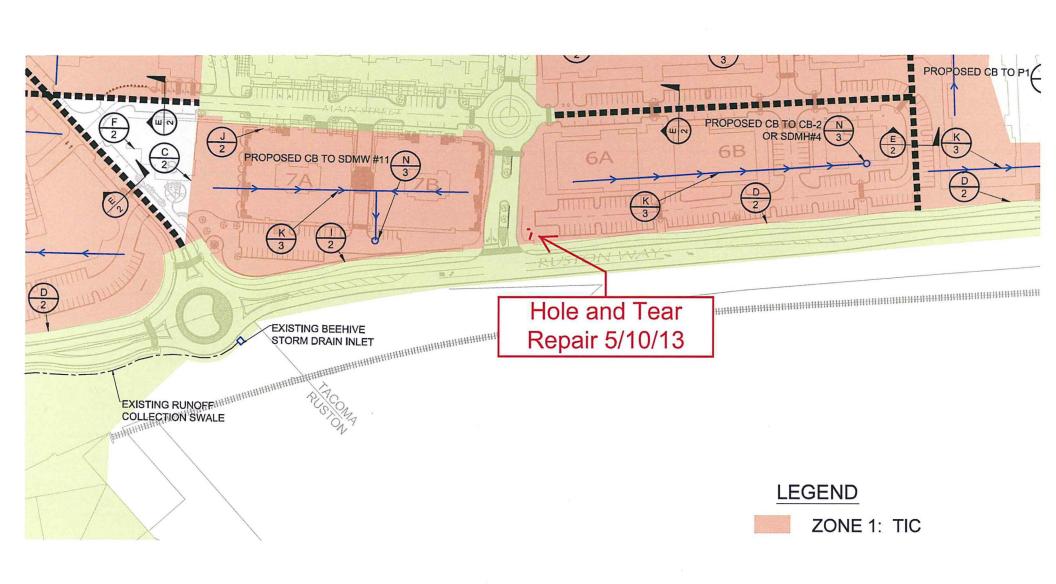
The cause of the damage was not apparent as there were no foreign objects in the area. The patch areas were washed with water and dried thoroughly. A primer was applied to the patch areas and a 3" wide double-sided splice tape was applied over the puncture and tear, followed by an overlapping 6" wide single-sided cover tape. Finally a lap sealant caulk was applied to all edges of the cover tape.

On May 20, 2013 workers from NW Linings conducted a vacuum box test on the repairs and found no leaks.

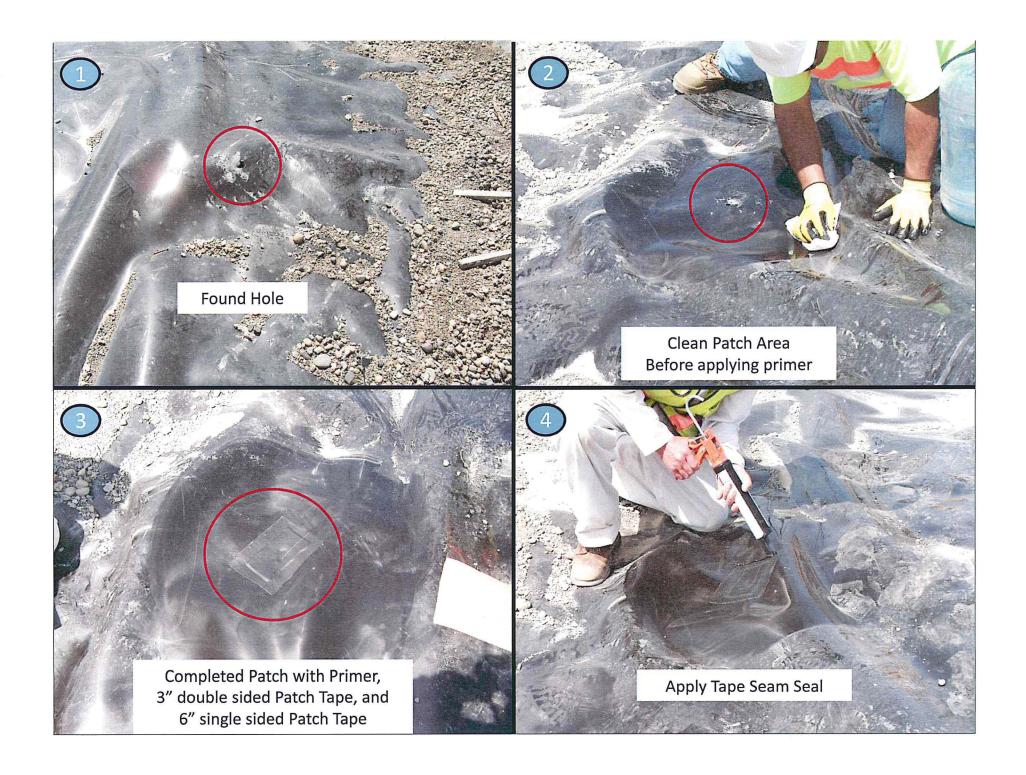
Weekly monitoring of the repairs will continue.

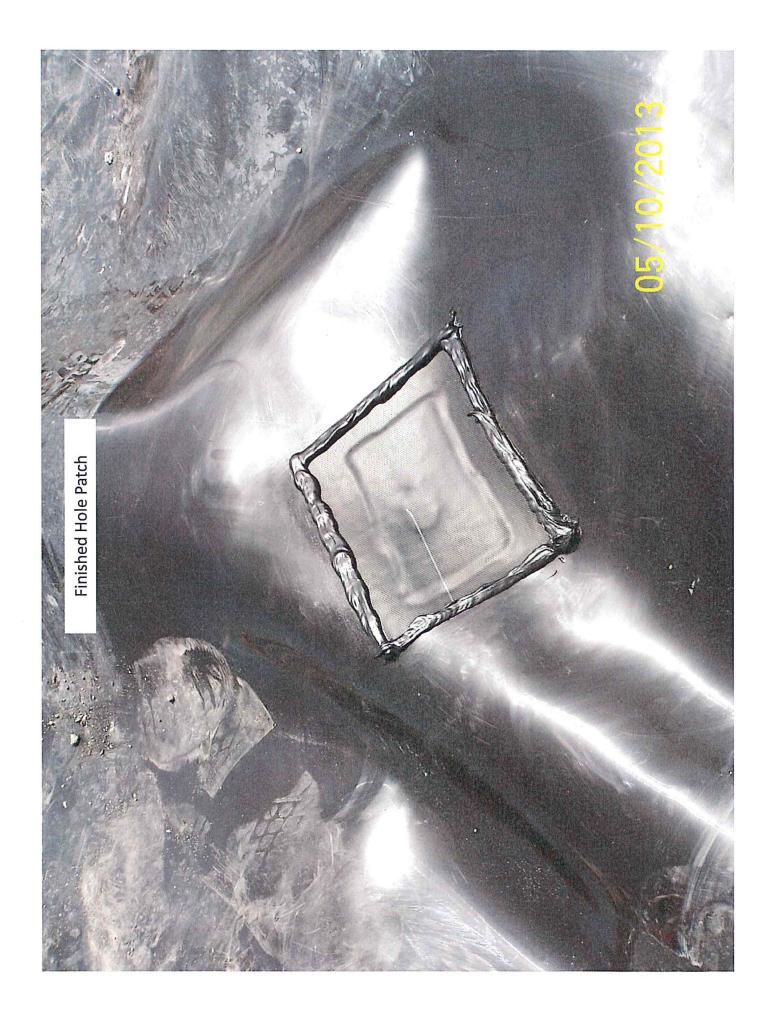
See photos attached

Tim Rusher Construction Oversight/Health & Safety Officer













Overall repair of hole and tear was completed in about 1-hour.

Weather conditions were favorable.

Most of torn area was under the gravel anchor edge.

Vacuum seam test is pending. Estimated Tuesday, May 14, 2013.









5129 N. Shirley St. Suite 100, Ruston, WA 98407

May 31, 2013

Mr. Kevin L. Rochlin Remedial Project Manager U.S. Environmental Protection Agency Region 10 1200 Sixth Avenue, ECL-111 Seattle, WA 98101

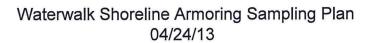
Monthly Report: No. 203, April 2013 Operable Unit No. 02 - Asarco Tacoma Smelter Site

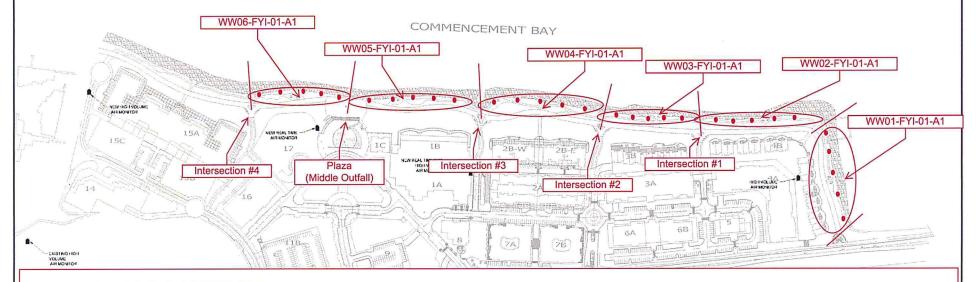
ADDENDUM NO. 1

This Addendum No. 1 is made part of the original Monthly Report No. 203 and modifies the Miscellaneous Test Sampling Data as follows:

The soil sampling information for the referenced Waterwalk sampling on 04/24/13, "Internal XRF – Waterwalk Final Cap Sampling Along Back Edge of Shoreline Armoring", was inadvertently omitted from the report.

A copy is attached to this addendum.





In-House (XRF) Waterwalk - Final Cap

5-point composite sampling done at six locations along the Waterwalk at the beck edge of the shoreline armoring.

Sample Date (or) Reading No.	Sample/Reading Time	Type	Duration	Units	Sequence	Sample Number	Site Code	Sample Depth	Subunit	Sample Type	Pb	As
4	4/24/2013 11:20	BULK	90	ppm	Final	WW01-FYI-01-A1	WW01	Α	1		36.80	14.67
5	4/24/2013 12:27	BULK	90	ppm	Final	WW02-FYI-01-A1	WW02	Α	1		31.33	6.90
6	4/24/2013 13:34	BULK	90	ppm	Final	WW03-FYI-01-A1	WW03	А	1		29.53	14.46
7	4/24/2013 14:40	BULK	90	ppm	Final	WW04-FYI-01-A1	WW04	Α	1		40.83	20.96
3	4/25/2013 8:36	BULK	90	ppm	Final	WW05-FYI-01-A1	WW05	Α	1		28.96	12.47
4	4/25/2013 9:43	BULK	90	ppm	Final	WW06-FYI-01-A1	WW06	Α	1		23.90	6.29
										Average	31.89	12.63